

NUMBER THIRTEEN

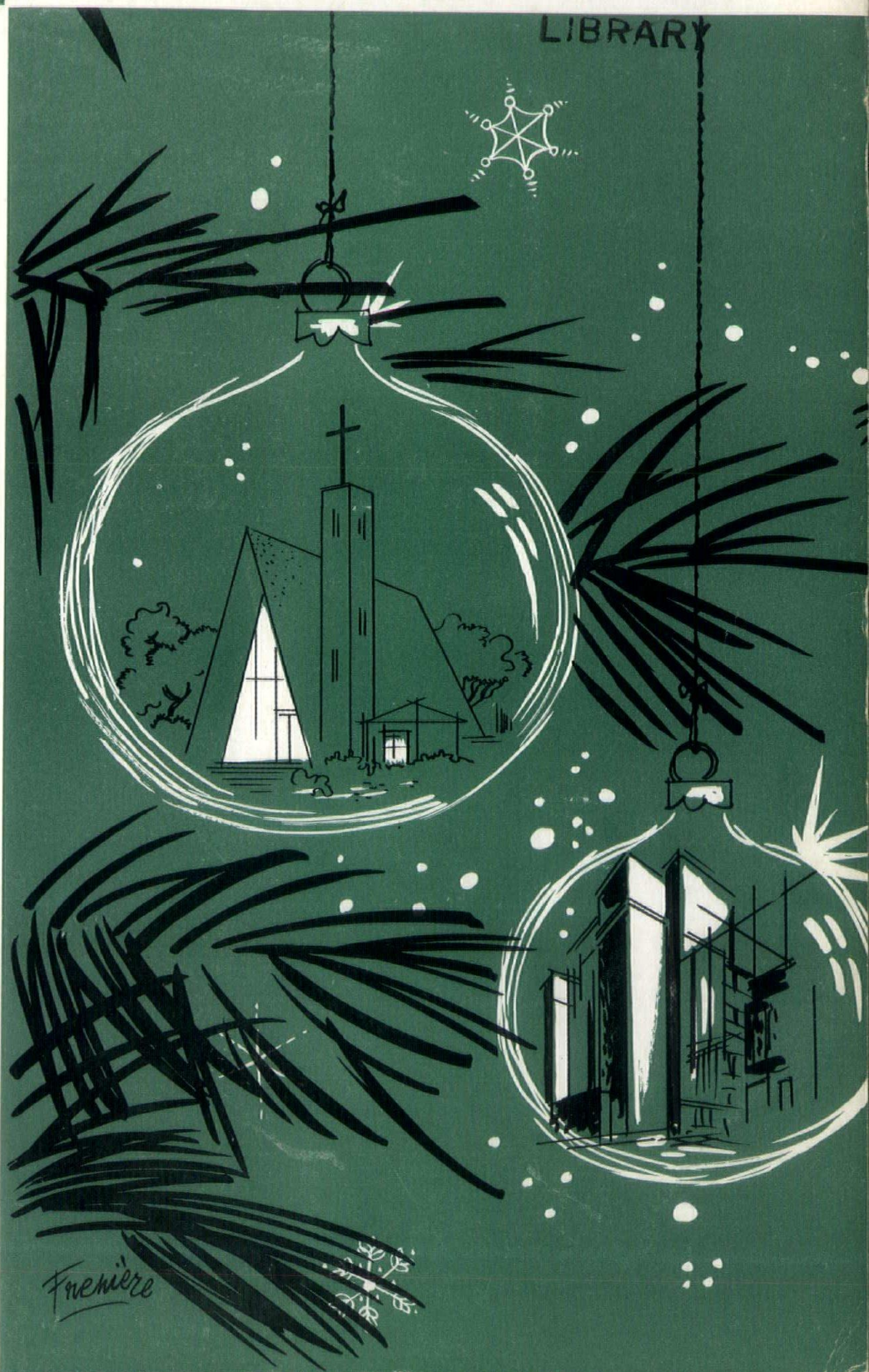
new england

ARCHITECT AND

AMERICAN INSTITUTE
OF ARCHITECTS
BUILDER

illustrated
JAN 1960

LIBRARY



DECEMBER 1959

WASHINGTON D.C.
1735 NEW YORK AVE N.W.
ATTN: LIBRARY
AMERICAN INST OF ARCHS

41-1

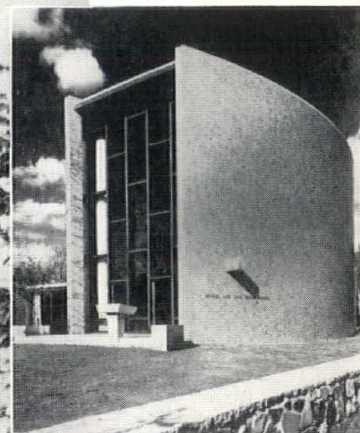
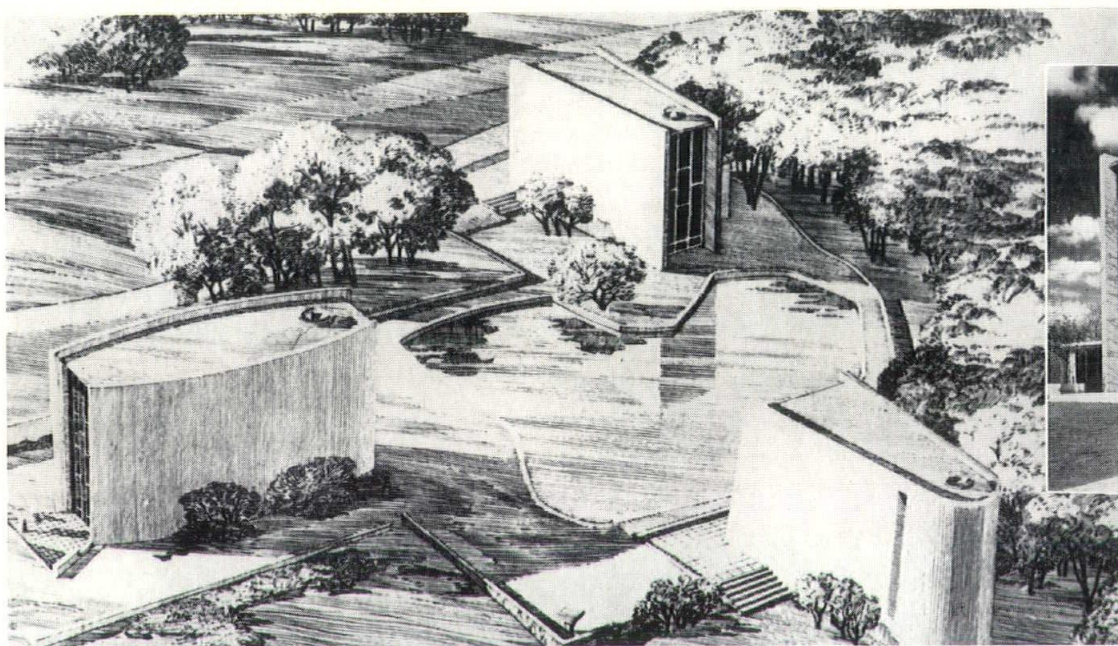
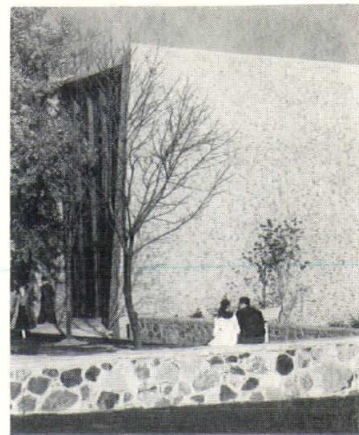
1

3

Architectural Imagination

THAT UNITES THE THREE GREAT WESTERN FAITHS
at Brandeis University

Freedom to worship God as man desired sent the frail "Mayflower" to the coasts of New England and it is indeed fitting that here on this New England campus, for the first time in any educational institution, the three great faiths of western man unite in one common purpose — to mold the minds of those seeking higher knowledge to a tradition of understanding and mutual regard for the different paths whereby each student seeks to become a better man or woman.



Here Protestant, Jew and Catholic each finds the individual expression of his heritage of faith, yet this individuality is not separated but united. Each of the three chapels represents a partly opened Bible — the book that is shared by each faith and each is joined to the other by the common denominator of a natural pool in which the reflections of the three chapels mingle and become one — a unification of worship and faith.

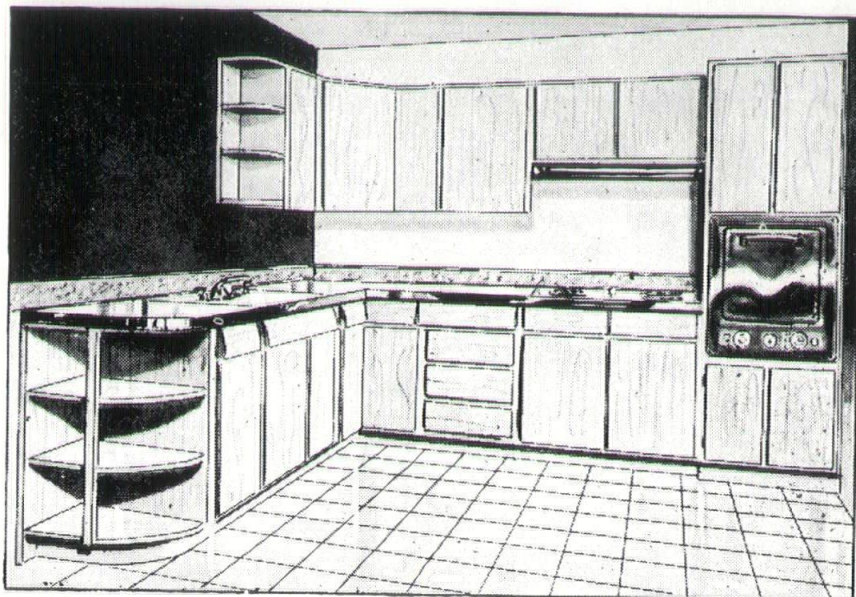
ARCHITECTS: HARRISON & ABRAMOVITZ
BUILDER: LILLY CONSTRUCTION COMPANY



LILLY "LILLY IN CONSTRUCTION SIGNIFIES PRIDE IN CRAFTSMANSHIP"
construction company
BOSTON, MASSACHUSETTS

GROSSMAN'S SAYS....

"Let **Yorktowne** *Natural Birch* **Kitchens**
be your home Sales Clincher"



**COST LESS
THAN THE
FINEST
STEEL
KITCHENS**



HAND MADE BY SKILLED PENNSYLVANIA DUTCH CABINET MAKERS

- Formica wear-styled counter top
- Hand rubbed furniture-veneer lifetime doors
- Choicest cabinet wood, selected for beauty and everlasting durability
- Mortise and tenon tongue and groove construction
- No unsightly nails or screws to show
- Acid-resistant two-bowl sink
- Jewelry chrome mixing faucet
- Lifetime finish
- Hardwood furniture drawer guides
- Sliding cutting board
- Metal bread and cake box

Only YORKTOWNE offers an unconditional five year guarantee against defective material or workmanship. Insist on this added protection.

The focal point of clinching a home sale is, in most cases, the kitchen. The prospective woman buyer will spend more time, ask more questions, examine more closely the kitchen of a newly constructed home than anywhere else. Let the clean, uncluttered lines; the matchless features of YORKTOWNE KITCHENS be your silent salesman. Only YORKTOWNE offers the warmth and beauty of wood with an intelligent design incorporating the finest of modern conveniences.

FREE KITCHEN PLANNING SERVICE

Exclusively for Architects and Builders... a FREE money saving, time saving service... Grossman's will expertly design or quote on any style or size YORKTOWNE KITCHEN... for homes or apartments... specification literature sent upon request.



FAST SITE DELIVERY

25 YARDS THROUGHOUT NEW ENGLAND

L shape... T shape... U shape
or straight line... compact
or vast, a selection of over
750 YORKTOWNE KITCHEN
cabinets mean exact fit for
all kitchens.

GROSSMAN'S

NEW ENGLAND'S LARGEST BUILDING MATERIAL DEALERS

Main Office: 130 GRANITE STREET, QUINCY, MASS. PHONE: PR 3-7100

new england ARCHITECT and BUILDER, illustrated — NUMBER THIRTEEN, 1959

Table of Contents . . .

DECEMBER 1959

new england ARCHITECT and BUILDER illustrated

ARCHITECTURE

and

CONSTRUCTION

. . . As herein specified — George R. Glover	5
Floor construction idea — Cuts Building Costs	8
The General Contractor of Today	10
Building Products Display	11
Whitefield Elementary School — Melville W. Beck	12
Northgate Shopping Center	14
Massachusetts State Office Building	18
Engineered Wood Construction	20
Good Lighting . . . Good Architecture — William Lam	28

FEATURE

Bulletin Digest	23
New Products	29
New Literature	30
Contracts Awarded	42

Signed Articles. As one object of the "New England Architect and Builder, Illustrated" is to afford a forum for the free expression of matters of importance relating to the building trade and architectural profession, and as the widest range of opinion is necessary in order that different aspects of such matters may be presented, the editors assume no responsibility for the opinions or facts in signed articles.



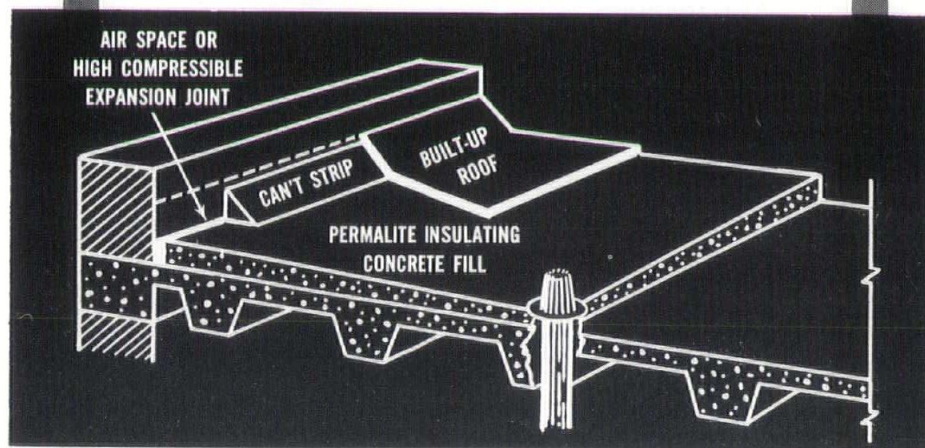
New England ARCHITECT and BUILDER Illustrated is published monthly by NORBROOK PUBLISHING CO., INC., 215 Stuart St. — Motor Mart Building, Boston, Mass. The cover design and contents of New England Architect and Builder Illustrated are fully protected by copyright, and must not be reproduced in any manner or form. Subscription: 1 year, \$5.00; 2 years, \$8.00; single copy, \$1.00. Foreign subscription rates available. Accepted as controlled circulation publication at Boston, Massachusetts.

Copyright, Norbrook Publishing Company, Inc., 1959

The only regional publication designed for the promotional interest of Architects, General Contractors, Sub-Contractors, Builders, Engineers, and all others actively engaged in Building Construction within the (6) New England States.

POSTMASTER: Form #3579 requested to: "new england ARCHITECT and BUILDER illustrated", 215 Stuart St., Boston 16, Massachusetts.

Slope to Drain and Insulate the Roof — both in one operation with **Permalite®** **INSULATING CONCRETE**



CUTS COSTS, TOO . . . no need to steel-trowel the structural concrete deck; just rough-screed it to proper thickness. Permalite Insulating Concrete makes perfect bond.

HIGH INSULATING VALUE. A 2" thickness of Permalite Insulating Concrete gives insulation equal to 1" of rigid insulation board.

EASILY SLOPED TO DRAIN. Simple to slope from 2" minimum thickness to any thickness desired. Permalite Insulating Concrete can also be used for quick and easy forming of cants and saddles.

EXCELLENT STRENGTH Permalite Insulating Concrete is far stronger than other conventional insulating materials.

FIRE-SAFE — can't burn . . . gives greater fire resistance than any other type of insulation.

PERMANENT — can't rot or decay; termite- and vermin-proof.

ROOFING APPROVAL — All major roofing manufacturers approve properly installed Permalite Insulating Concrete as a base for 20-year bonded roofs.

See your Sweets File—ask your
nearest Permalite franchisee—
or write for complete information

Permalite

THE LARGEST SELLING
PERLITE AGGREGATE
IN THE WORLD

Permalite Division, The Whittemore Company, Inc., 118 First Street, Cambridge, Massachusetts

STAFF

PUBLISHERS

Richard P. Zinkowski
Leon Arber

MANAGING EDITOR

Richard Zinkowski

DIRECTOR OF ADVERTISING

Leon Arber

ADVERTISING MANAGER

Charles D. Harrington

ASSOCIATE EDITOR

M. Patricia Williams

ART DIRECTOR

E. Richard Freniere

STAFF PHOTOGRAPHERS

Richard P. Lewis, Jr.
M. Z. Gerard

CIRCULATION

Maureen T. Connolly

PUBLISHERS REPRESENTATIVES

Mid-Atlantic & New York
Whiteman Associates
342 Madison Avenue
New York, New York
YUkon 6-4762

Southeastern
Jack Williams
934 N.W. 53rd St.
Miami 37, Florida
Highland 3-8610, Plaza 1-5308

Contributors are advised to retain a copy of their manuscript and illustrations. Material should be mailed to the Boston Editorial office, and must be accompanied by return postage. Contributions are handled with reasonable care, but the N.E.A.B. assumes no responsibility for their safety. Any acceptable manuscript is subject to whatever adaptations and revisions necessary.

To say
Merry Christmas
And
wish you
good cheer
And
the best of
good luck
Thru "A Happy
New Year"

From the Editors and Staff —

New England Architect and Builder Illustrated.

Your Christmas gift, a subscription to the NEW ENGLAND ARCHITECT and BUILDER ILLUSTRATED, a bright, new gift that will last through the New Year. Let us send our special card to your friends or customers . . .

\$5.00 for one subscription

\$4.00 for each additional gift up to ten

To

Name (please print)

Street

City, Zone, State

New ☐ Renewal ☐

Gift card to read "From"

To

Name (please print)

Street

City, Zone, State

New ☐ Renewal ☐

Gift card to read "From"

Your name

Your street

Your city

Zone State

new england ARCHITECT and BUILDER illustrated
215 STUART STREET BOSTON 16, MASSACHUSETTS

new england ARCHITECT and BUILDER, illustrated — NUMBER THIRTEEN, 1959

George R. Glover
Specifications Consultant



"THE NIGHT BEFORE DEADLINE"

In place of a formal article and chat this month, I wish to present the following poem by me about a specs writer's lament, put to the meter and style of "The Night Before Christmas."

'Twas the night before "deadline"
When all through my place,
Not a specs writer to be found
But me, worn down to a trace.
The specs were all collated
On my desk, much with care,
In hopes that the Architect
Soon would be there.

The typists were nestled
All snug in their beds.
While visions of "changes"
Danced in their heads.
And me in my shirtsleeves,
Pencil in ear,
Had just settled down
With time drawing near.

When out in the street
Arose such a clatter,
I sprang from my desk
To see what was the matter.
Away to the window
I flew like a flash.
Ripped up the venetian
And threw up the sash.

The moon on the walk
With the new fallen snow,
Gave an appearance like marble,
Best quality, you know.
When what to my wondering
Eyes should appear
But a little ole V.W.
With motor in the rear.

The driver got out
So lively and quick.
I knew in a moment,
Must be the Architect.
More rapid than eagles
His criticism came,
And he stomped and shouted
Called each section by name.

Now Roofing, Now Concrete!
Now Lathing and Plast-ring,
On Painting, On Caulking,
On Doors and their Frames!

To the top of the penthouse,
From the foot of the wall,
Now Change it! Delete it!
I care not for it at all.

As dry mortar that,
Before the bricks could be run
When put on a trowel
Was most overdone.
So felt I like a brick,
Or more like a block.
The more I listened,
The more he talked.

And then in a twinkling
I said most aloof
Couldn't we leave "as is"
The section on the Roof?
As a matter of coursing,
As he turned around
He said that the chimney
Would fall to the ground!

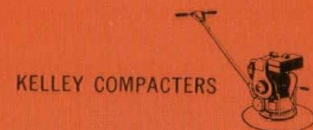
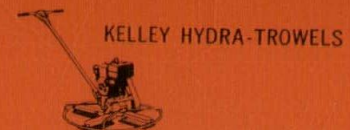
I replied from text
That he must be mistook
For we had specified reinforcing,
There, take another look.
He pawed through the pages,
And said not a word.
And he looked quite chagrined
As if nothing had occurred.

A wink of his eye
And a twist of his head,
Soon gave me to know
I had nothing to dread.
He said most assuredly,
My hand he did shake.
Complete confidence, ability,
To him I did make.

Then grabbing the spec
As he wrote out the check,
He sprang to this feet
"Good work here, by heck!"
I heard him exclaim
As he drove out of sight,
"No changes at all —"
And so to all, good night!

HOT NEWS!

Abbott Equipment Company, Inc., New England's oldest and largest construction equipment rental firm, has become the principal dealer in the Metropolitan area for sales and rental of the famous Kelley line of construction equipment... featuring:



Enjoy the double benefits of Kelley quality equipment and Abbott superior service. Join the growing list of top contractors who MAKE IT A HABIT TO DO BUSINESS WITH ABBOTT!



**Abbott
Equipment
Company, Inc.**

133 Southampton St., Boston
Highlands 5-6700



* *now you can*
**BRIDGE
THE
GAP...**
**with
selective
selling
at
moderate
cost**

*
... advertise in the **new england ARCHITECT**
and BUILDER illustrated. The only
regional Architectural magazine in the
New England market area. Reaching 93%
of the persons directly responsible for
construction materials purchasing.

Specialized and adapted to make
product advertising more effective
in the construction field.

*Larger New England circulation
than the three national
magazines combined.*

CHARLES LUCKMAN TO ADDRESS
39th ANNUAL DINNER, JANUARY 14, 1960
AT STATLER HILTON HOTEL

The Massachusetts Building Congress is pleased to announce that Charles Luckman, Architect, of Los Angeles, California and New York, will address the 39th Annual Dinner Meeting on Thursday evening, January 14, 1960 in the Main Ballroom of the Statler Hilton Hotel.

The Annual Dinner will wind up the two-day 7th Opportunity Exhibit and Design Display to be held in the Bay State Room of the Statler Hilton Hotel on Wednesday, January 13, and Thursday, January 14, 1960.

Building Congress members in the materials field will exhibit the latest products and processes. Architect and Engineer members will be invited to show models, photos and renderings of their recent work.

SOME THOUGHTS ON DESIGN

By an MBC PAST PRESIDENT

Form follows function they say.

A Rule you must always obey.

But what does it mean?

If the truth would be seen

It means little or nothing today.

A window does little at night.

In daytime it lets in the light.

In the houses you pass

The windows are glass.

This custom has always seemed right.

Now, buildings with glass are encased

But the function is somewhat debased

For day time or night

The production of light

From inside makes the use of glass waste.

A window's use now's psychological

A need to look out is quite logical

To permit relaxation

Of Mental Taxation

Makes most of the glass tautological.

One thing is surely conceded

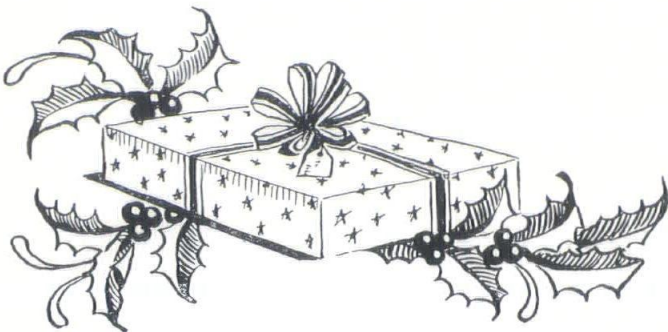
At a corner no windows are needed.

But the glass is the norm

And determines the Form

And function again is not heeded.

William Stanley Park



rapids

contract sales division . . .

furniture specialists for
architects and builders.

Let the experienced staff of Rapids
Contract Sales Division relieve you of
time consuming, costly furniture details
with these extra Rapids' services.

furniture selection

Furniture to complement
your work and satisfy your clients is
available on Rapids' 8 floors.

interior planning

Rapids' staff works with you for desired
effects in residential, commercial
or institutional projects.

design service

Rapids is equipped to aid you
by submitting detailed room
visuals, space arrangements or
elevations to your specifications.



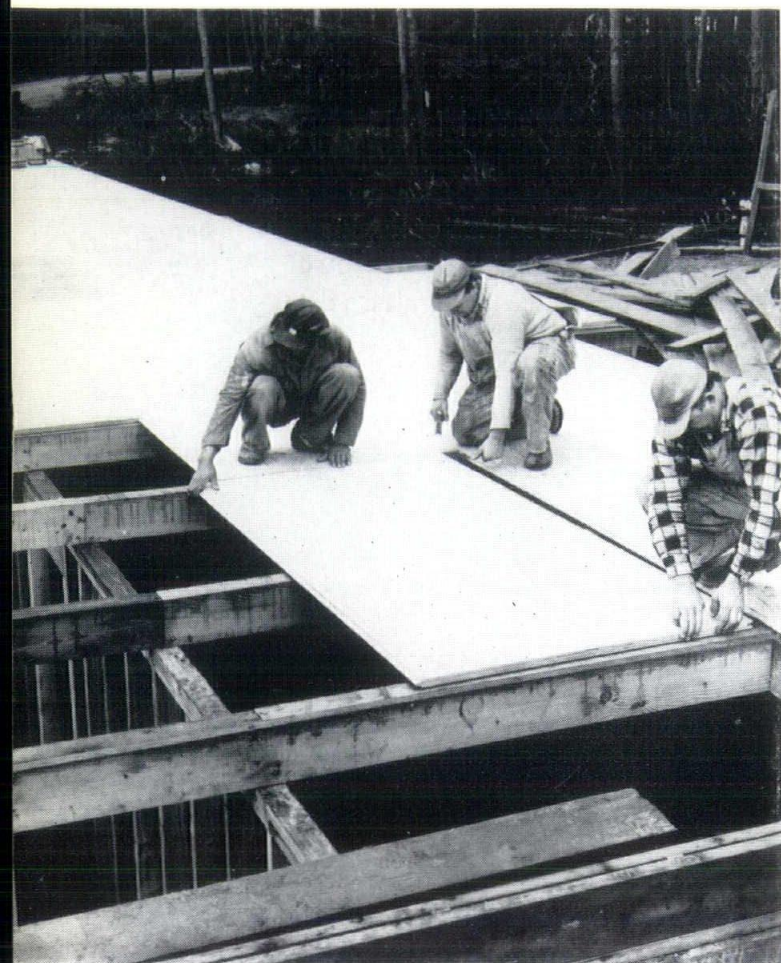
Paul McCobb
Area Plan Unit Desk
shown at Rapids.
Write for Free
Booklet A1

Rapids

new england's oldest and largest
wholesale furniture resource

90 canal street . . . boston . . . massachusetts

FLOOR CONSTRUCTION IDEA... CUTS COST



The plywood industry has introduced a refinement to its single layer combination subfloor-underlayment idea which should save 12 man hours per 1,000 sq. ft. of floor area compared with conventional 2x8 joist construction.

It is an engineered tongue-and-groove joint for 2.4.1—the 1⅞-inch fir plywood subflooring grade designed to function as both subfloor and underlayment on supports 4 feet o.c. Standard panels of 2.4.1 require 2x4 blocking under panel edges. The new T & G panels eliminate the need for blocking.

The joint was pioneered by Diamond Lumber Company. The research division of the Douglas Fir Plywood Association tested the joint under laboratory conditions for structural adequacy and field tested the idea with six builders.

MANY ADVANTAGES

The association says that a number of mills will produce the new panel. DFPA claims these advantages. (1) Further cost savings over standard panels of 2.4.1 and even more savings compared with other floor systems. (2) A sharp reduction in the number of individual pieces that need to be handled in a floor. (Example: In a simple 24x48 floor, conventional flooring requires a minimum of 290 separate pieces before the finish can be applied. Regular 2.4.1, with blocking, takes 124 pieces, but the new tongue-and-groove 2.4.1 slashes this to only 64. In addition nailing is sub-

stantially reduced. (3) A clean, uncluttered visual effect in the ceiling where the system is used in basement homes. (4) Lower subcontract costs provided by easier access to the crawl space. (5) Far less tendency for joints to "telegraph" through resilient floors.

When 2.4.1 was originally introduced, one Seattle builder insisted he saved \$500, much of it contingent on the lower height of the entire house afforded by "pocketing" girders into the footings. Although many other builders argued the figure was too high, they achieved some economies and the combination subfloor-underlayment idea has been used regardless of cost variations, often as a primary selling point.

PINPOINTING COSTS

According to John Hess, DFPA's technical director, it is extremely difficult to pinpoint the specific cost savings the new panel produces.

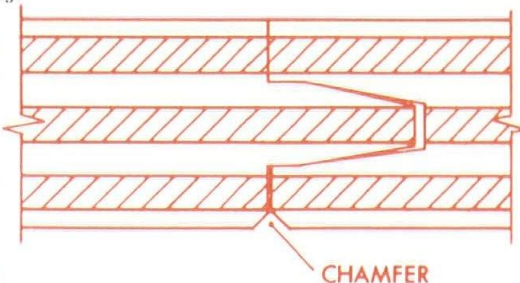
"In the field tests, every application showed savings," he said, "but some builders claimed economies far above those of others. Where detailed costs are available, a typical job appears to produce savings in basic floor construction exclusive of the finish floor of 5 to 10 per cent."

Here is one example.

Harry Brandon, a Des Moines, Washington, builder, kept a detailed ledger showing he cut in-place flooring costs on a 1,940-square-foot-job by \$36.90.

Using his normal method of 2x8 joists 16 inches o.c.; 1x4 bridging; shiplap or board subfloor, and fir plywood

Twenty-three man hours were cut from this job by 2.4.1 T&G, a thick plywood combination subfloor and underlayment that requires no blocking and goes down over beams four feet on center. The big panels provide a smooth, solid floor and uncluttered support system makes possible an attractive basement ceiling.



alternate joint detail

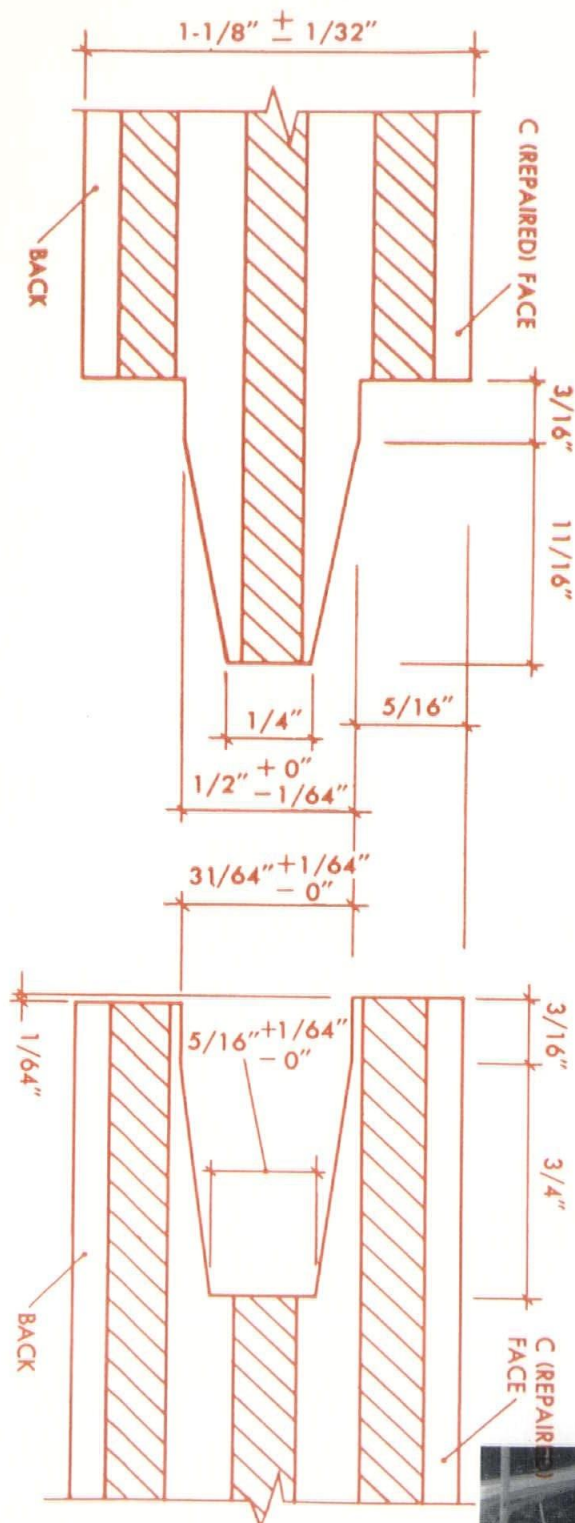
underlayment, Brandon says his materials cost would have been \$555.80. Total labor, skilled and unskilled, would have been 38 hours at \$129.10, not including time needed for installing the joists. Total cost: \$684.90.

But the method Brandon actually used on this house called for 4x8 beams 4 feet o.c. and 2.4.1 tongue-and-groove. Materials, including nails, came to \$601. But his labor cost, for 15 man hours — 23 less than the conventional method — was only \$47. Total cost: \$648.

Brandon expressed considerable satisfaction with the system, from several angles.

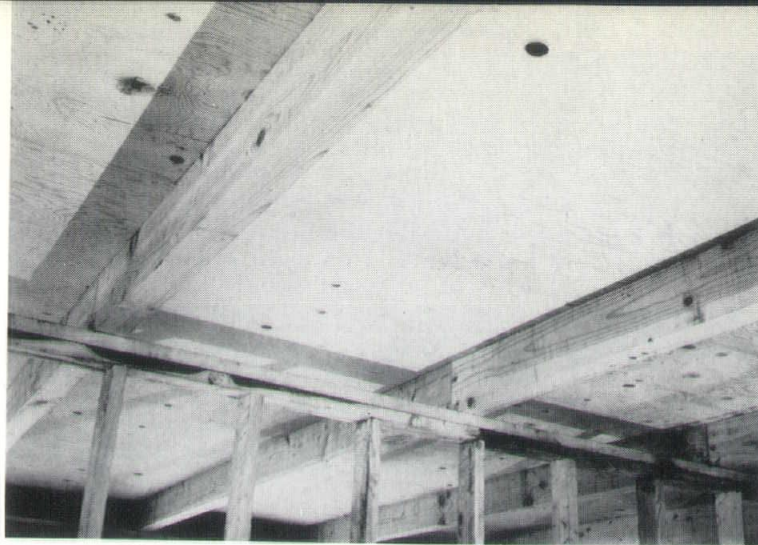
"It's pretty hard to justify a conventional floor," he said. "The money we saved makes a difference, it's true, but the convenience and dependability of the surface may mean a lot more. Buyers are impressed with that basement ceiling."

The under side of a 2.4.1 T&G floor makes an easily-finished beamed ceiling for basements. The thick plywood subfloor and underlayment combination goes down over beams four feet on center, with no blocking required. The specially-engineered joint has just passed field and laboratory tests conducted by the Douglas Fir Plywood Association.



TONGUE AND GROOVE DETAIL

The engineered tongue-and-groove joint detailed here makes possible the elimination of blocking on 2.4.1 floor systems. The thick plywood combination subfloor and underlayment requires supports only every four feet, providing a smooth, strong floor surface and a clean, uncluttered ceiling for basements. Field and laboratory tests of the new joint have just been completed by the Douglas Fir Plywood Association.



SPECIAL JOINT NEEDED

Hess emphasizes that the close-tolerance, shaped joint is necessary to develop sufficient strength for general purpose residential floor construction.

"Some builders have tongue-and-grooved their own panels," Hess says, "but we've never tested a conventional T&G joint in this application that was permanently satisfactory for a floor."

"The joint is engineered to minimize differential deflection between panels under traffic, so as to protect the thin finish flooring used by so many builders. Load tests show the floor will take concentrated loads up to 1,500 pounds. This means you can position heavy appliances like hot water heaters or furniture like a grand piano any place on the floor with no significant deflection."

Accuracy and tolerances in machining the tongue-and-groove will be subject to the same high standards of quality control DFPA applies to grading of veneer and durability of the glue-line.

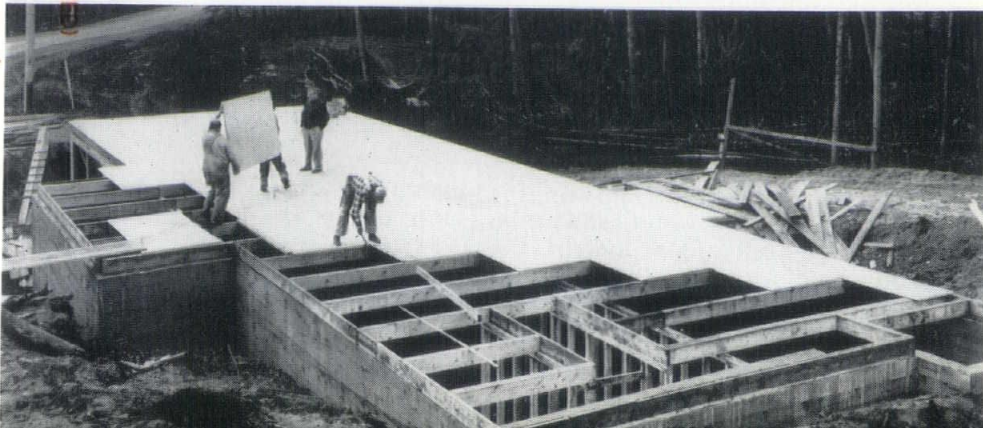
Testing and development were concluded this fall after two years of work. Hess said that he believes sufficient data has been accumulated now to seek FHA and Building Code acceptance.

David R. Countryman, chief of DFPA applied research section, said the ultimate development of this idea is a floor system designed to utilize fir plywood box beams as the basic supports, light enough for one man to handle.

This should eliminate twisting, shrinkage, and nail popping. It will overcome availability problems with solid wood girders, and the beams themselves may well be cheaper than conventional supports.

For further information and technical data write Douglas Fir Plywood Association, Tacoma 2, Wash.

New 2.4.1 — a thick plywood panel that acts as both subfloor and underlayment — with a tongue-and-groove joint requires no blocking, yet provides a strong, smooth surface. Supporting beams are needed only every four feet. The installation shown here was one of several in a test series just completed by the Douglas Fir Plywood Association, which also ran laboratory tests of the new product.



Second of a Three-Part Series

General building contractors are just as ruggedly individualistic as they ever were.

Being a low-capitalization business, it attracts a large number of men of admirable ambition. But, as many have discovered — and unfortunately many owners and architects have helped pay for their education — rugged individualism is not enough. To survive, a general contractor must not only have drive, he must have resourcefulness and imagination, he must have the skills of modern creative management — accurate cost accounting, production scheduling, coordination of sub-trades, harmonious labor relations — and these attributes and skills must increasingly be applied upon a

"The contractor is the prime factor in all material progress," the first president of the Associated General Contractors declared. "Through him all necessary works are built, of public and private interest. He affords a livelihood for millions of men and their families.

"The contractor is not merely an individual with no influence other than his own personality and commercial weight. Organized, he can serve his own legitimate interests, open the gates for greater prosperity, benefit the country in normal times and serve it royally in emergencies."

The Associated General Contractors then went on to define this professionalism.

And finally, the A.G.C. set itself to establishing and maintaining the standards by which the contractor achieves the status of professional.

"The general contractor must at all times conduct his business with nothing less than the utmost Skill, Integrity, and Responsibility."

Today, 7,500 members of A.G.C. are striving to accomplish these broad objectives. The 126 chapters and the national association, through democratically formulated programs, coordination, and group action have developed a system of complete representation and service for general contractors at the local, state and national levels in all phases of their professional responsibility.

The 65 national A.G.C. staff employees, under the direction of the national officers and with the guidance of the Association's Governing Board and its committees, perform two types of functions — services to individual chapters and members, and services to the construction industry as a whole.

In broad outline, these activities cover the fields of labor relations, legislation, public relations, governmental actions, accident prevention, apprentice training, contract forms and specifications, national and civil defense, education, research, market development, and relations with governmental agencies concerned with construction.

It will be readily observed that several of these fields involve the concept of teamwork. And since 7,500 contractors cannot all as a practical matter serve as individuals, the A.G.C. serves as their member of the team. The core of the team is the owner-architect-contractor triumvirate.

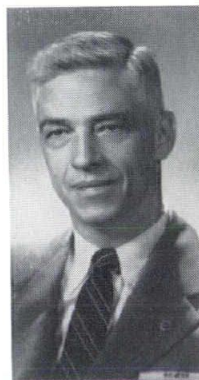
But also serving on the general contractor's team within a team are subcontractors, material men, and labor.

In these complex inter-industry relationships the A.G.C. has frequently taken the initiative and has always done its share in developing cooperative efforts with other organizations to provide our nation and its people with speedy, efficient and economical construction.

When you see the A.G.C. emblem on a job sign, you know that here is a contractor who is a rugged individualist whom you can, nevertheless, depend upon to understand the necessity for teamwork.

THE GENERAL CONTRACTOR OF TODAY

by Joel Leighton
Managing Director,
Associated General Contractors
of Massachusetts



solid foundation of engineering training and practical experience.

With changing business patterns, tremendous technological advances and fierce competition, today's builder is either an engineer and an administrator in his own right, or he employs men highly trained in those fields.

In every sense of the word, the general building contractor has achieved a semi-professional status. He is no longer just a carpenter or bricklayer who struck out for himself.

The status of a professional imposes certain obligations, and realization of these obligations led to the founding of The Associated General Contractors of America some four decades ago.

"The Associated General Contractors of America realize that the vital bearing of the construction industry upon the well-being, comfort and safety of the entire public injects into the contractor's function an element of professional responsibility founded upon honor and trust.

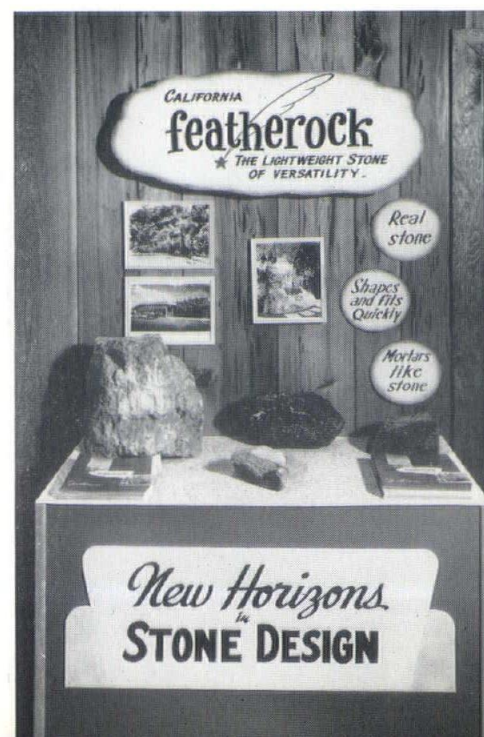
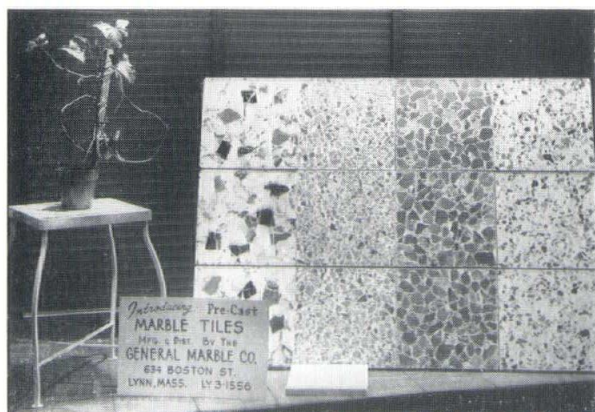
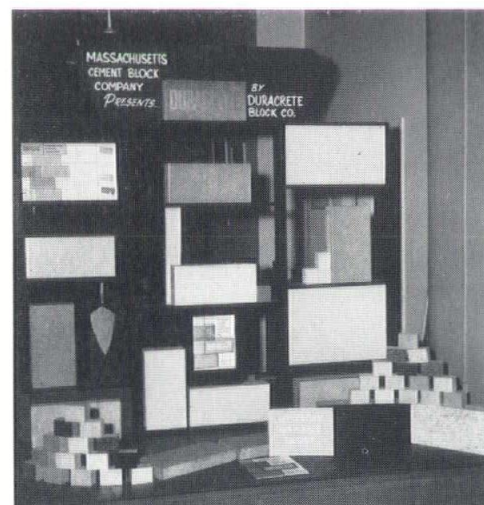
"This responsibility requires, among other things, that we seek to improve construction methods, management and service, to eliminate uneconomical and improper practices and to build responsibility throughout the industry.

"It surely cannot mean less than the establishment of a construction service which will give to the investing public an assurance of skill and faithful performance."



ON EXHIBITION

Our readers are cordially invited to examine the exhibits pictured here which are located in the reception area of the offices of *New England Architect and Builder, Illustrated*, at 215 Stuart Street, Boston, Mass. Exhibits on view are of building products by: Massachusetts Cement Block Company; Portland Cement Association; Prescolite; DiNatale Floors, Inc.; General Marble Company; Featherrock, Inc. *Note:* These exhibits are on view on an experimental basis to further evaluate the future possibility of establishing a permanent year-round Building Products Display Center. It is the hope of this magazine to establish this center in Boston Proper in the early part of 1960.



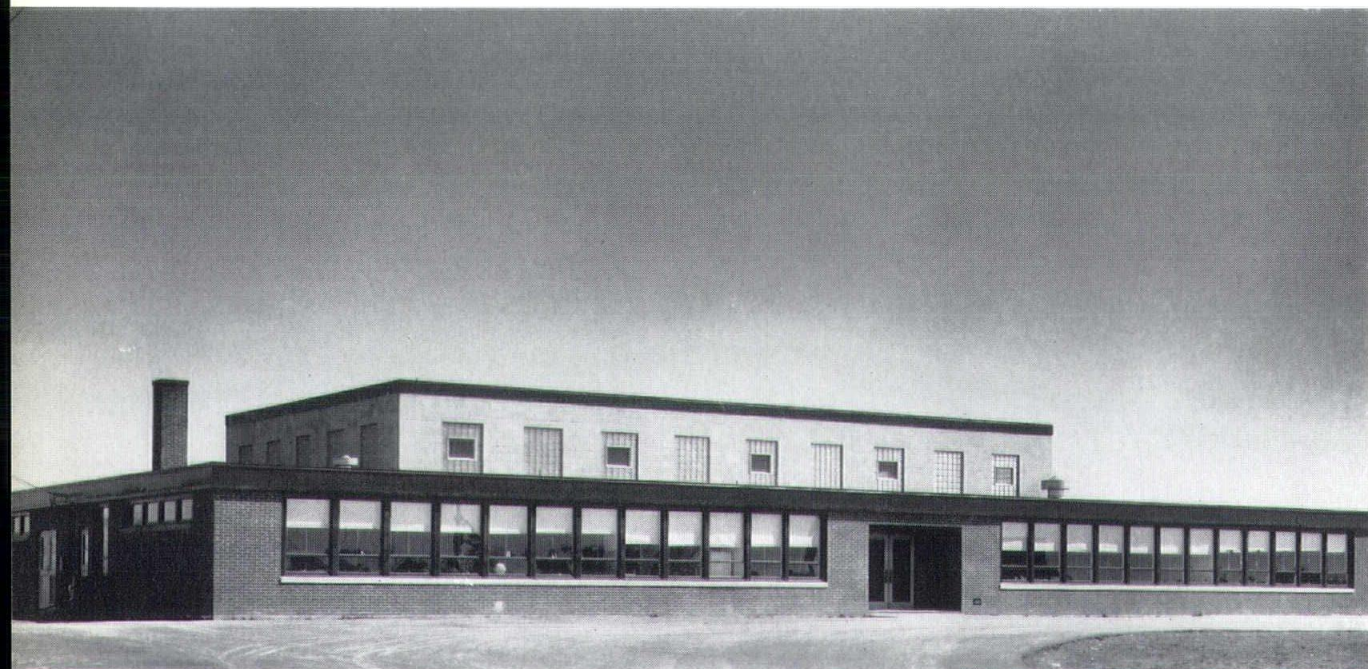
WHITEFIELD ELEMENTARY SCHOOL OF WHITEFIELD, MAINE

Architect | Melvin W. Beck & Associates, Waterville, Maine

General Contractor | McKee Construction Co., Gardiner, Maine

8 Classrooms plus Gymnasium-Cafeteria \$86,938 (\$7.16 per sq. ft.)

Not often do we hear of an elementary school designed to be constructed in New England consisting of 8 classrooms and a gymnasium-cafeteria for less than \$100,000. This surely requires an understanding of local construction and a cooperative school committee. Nevertheless, the structure pictured on this page is wholesome, practical and (for the money) in good taste.



In addition to the extreme low cost of construction, much of which is achieved in the elimination of corridors, the gymnasium which is usually expensive to heat, is surrounded by classrooms and the heating expense is thus reduced to a minimum.

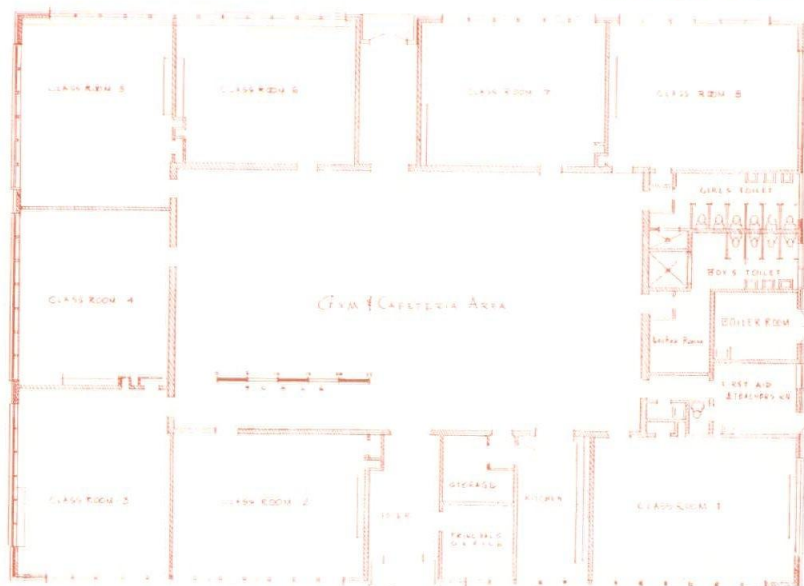


The reinforced concrete foundation is 95'-4" x 127'-4" for a total of 12,138 sq. ft. Exterior walls are brick face 2" cavity and 6" cinder block. Floors are asphalt tile on 4" reinforced concrete. Classroom ceilings are 4" x 16" roof timbers with 3" Armstrong Temlock roof deck applied direct to the timbers. Gymnasium has 3" Insulrock Roof deck on bar joists. "Webtex" trowel coating for waterproofing is to inside of cinder block in all wall cavities. Windows are "Pella" Hopper and fixed sash.

An interesting footnote is the fact that this same plan was constructed for the Town of Benton in 1957 at a cost of \$89,700. Although costs have risen since then, in 1959 the price tag was \$2,762 less for the same school building in Whitefield.

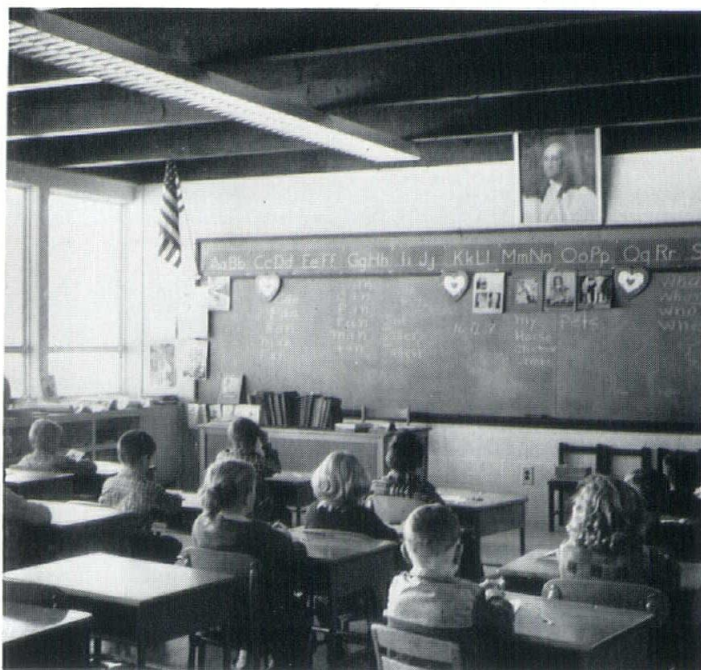
Photo credits: Steve Burbank-

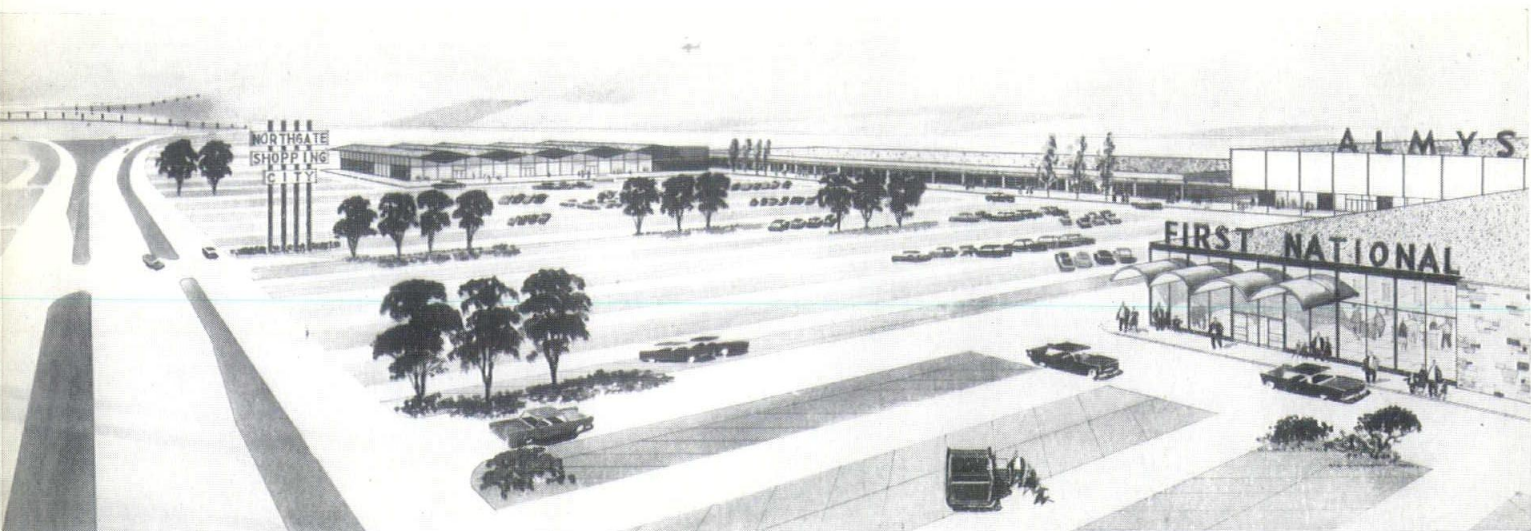
& Longley Studio, WATERVILLE, MAINE



Other factors leading to its economy are as follows:

- 1 — The building is square and all rooms are laid out on 2'-0" and 4'-0" centers, with corresponding roof framing on 4'-0" centers.
- 2 — Use of metal door frames and doors which come with hardware installed.
- 3 — Where a large number of door frames are used, it is important that the first course of masonry units be started at an elevation with respect to finished floor so that when mason reaches the top of door frame, coursing will line with top of frame.
- 4 — Using a continuous line of lintel block the entire length of wall which is continuous over each door (reinforced with steel and concrete) will eliminate masonry cracks which often appear over doors. Installing adequate control joints also holds any cracking to a minimum.
- 5 — Use of window units that came completely assembled and glazed, allowing the contractor to close in structure in a minimum of time.
- 6 — Use of 3" insulated roof deck as a base for roofing. Underside of the deck is the finished ceiling.
- 7 — Exposed masonry in interiors. Surface painted in soft pastel colors.





Northgate Shopping City, as it will appear when completed in 1961. The multi-million dollar shopping center, to be built at Squire Road in Revere adjacent to the Northeast Expressway, will be Greater Boston's first centrally-located shopping center with adequate parking facilities.

Northgate Shopping City...

The site of Northgate Shopping City as it is today. Northgate will be built just above the traffic circle of the Northeast Expressway where the Revere Airport is currently located. The airport will be removed to the filled land at the rear of the new Northgate development.





Approving building plans for stores in Northgate Shopping City are: Nathan Gorin, President of Almy, Bigelow and Washburn Department Stores (left); and Harold A. White, Director of Store Development for First National Stores. Looking on are, left to right: William Gorin, Treasurer of Almy, Bigelow and Washburn; Richard Berenson, President of Northgate; and Atwell Collins, Managing Director of Dreyfus Properties, Inc. There will be about 30 to 40 stores in the Northgate development, to be constructed adjacent to the Northeast Expressway in Revere.

...to begin soon

With ground-breaking ceremonies for Northgate Shopping City scheduled for this fall, it will not be long before the modern shopping center reaches completion at its site at Squire Road, Route C-1 in Revere, adjacent to the Northeast Expressway. The multi-million dollar project will cover an area of nearly 400,000 square feet, and will be the first centrally-located shopping center in the Greater Boston area with adequate parking facilities.

Architect for Northgate Shopping City is Sumner Schein of Boston. Mr. Schein has had wide experience in the design and construction of shopping centers and retail stores throughout the United States. He has designed the Pine Tree Shopping Center in Maine, the Capitol Plaza Shopping Center in Austin, Texas and many others. He has also designed many retail stores such as the First National Stores and Lanes Department Store on Long Island.

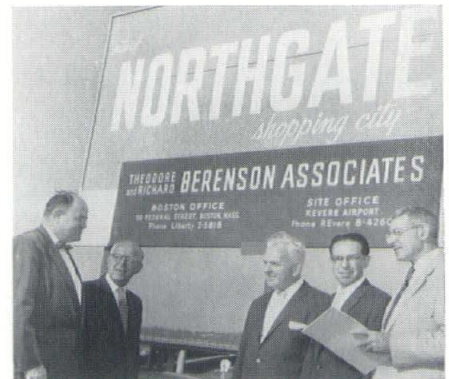
Under the direction of Mr. Schein, Northgate Shopping City will be constructed with the most modern and interesting building materials, including foreign marble, ceramic tile in contemporary patterns, and glazed brick. The roofs throughout Northgate will be insulated metal deck on bar joists. Store interiors will feature modern resilient flooring for walking ease, quiet pastel colors in a variety of decors, recessed lighting and all the major improvements of today's most functional retail stores.

There will be rows of shade trees throughout the area, and ample spots for shoppers to sit and relax. Future plans for Northgate will include a lagoon and marina to be added at the rear of the site. A 15-foot wide marquee will run the length of the pedestrian mall, protecting shoppers from rain and snow. There will also be a play area with trained supervisors, fea-

turing many children attractions so that mothers may leave their children at play while shopping.

The parking area at Northgate has a stone base, with bituminous concrete paving. With an eye on the woman driver, 60 degree angle parking was chosen to allow ample room to load and unload packages and passengers, without danger of scraping cars on either side. Parking room for 8 cars per thousand feet of retail area is planned. The area will be lighted by gooseneck-type mercury vapor lamps for greater convenience in night shop-

ping. The maximum distance between the furthest point in the parking area and one of the Northgate stores will be just 400 feet, eliminating long, bundle-laden walks back to the family car. The U-shape of Northgate Shopping City also serves to do away with unnecessary walking.



Inspecting the site of the future Northgate Shopping City are, left to right: Julius Goldman, President and General Manager of Revere Airways, Inc.; Charles Belinfante, Revere City Councilor; Edward P. O'Toole, Revere City Manager; Joseph Di Carlo, Revere City Councilor; and Richard Berenson, President of Northgate.



ARCHITECTS

EMERY ROTH & SONS
New York

DESMOND & LORD
Boston, Massachusetts

W. CHESTER BROWNE & ASSOCIATES
Boston, Massachusetts

CONSULTING ENGINEERS

HOWARD, NEEDLES, TAMMEN & BERGENDORF
Boston, Massachusetts

LANDSCAPE ARCHITECTS

SHURCLIFF & MERRILL
Boston, Massachusetts

MASSACHUSETTS STATE OFFICE BUILDING

Scheduled for completion by July, 1962, the purpose of the Massachusetts State Office Building will be to vastly improve efficiency in State Government by centralization of offices which are now scattered throughout the downtown and Back Bay sections of Boston.

As shown in the renderings, the contemporary design structure will have a floor area of 580,000 square feet on 16 floors. Plans call for the building to be located within the area bounded by Ashburton Place, Somerset Street, Cambridge Street and Bowdoin Street.

The office building is to be set in the northerly area of the site and will face out toward Cambridge Street.

Completely air conditioned, the building will contain offices for the various State and governmental departments and bureaus, a restaurant, garage, for state owned vehicles and specially designed space for official meetings and public hearings. There will also be underground parking for 300 cars contiguous to the main building as a separate 100,000 square foot structure. \$30,000,000 is the estimated construction cost for this project which will be controlled by an authority created by the State Legislature as a non-profit organization, "The Massachusetts State Office Building Association" and financed by a bond issue to be offered at competitive bidding at a later date.



by Roth & Sons
ARCHITECTS

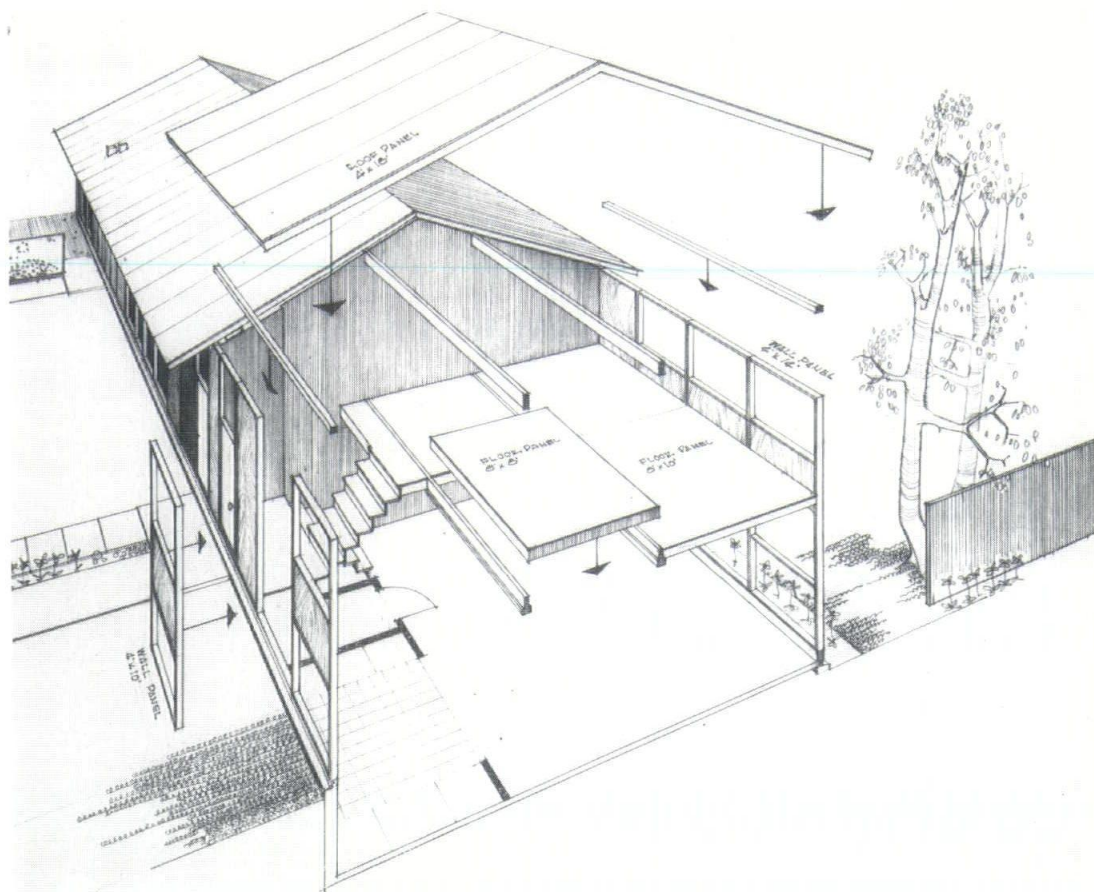


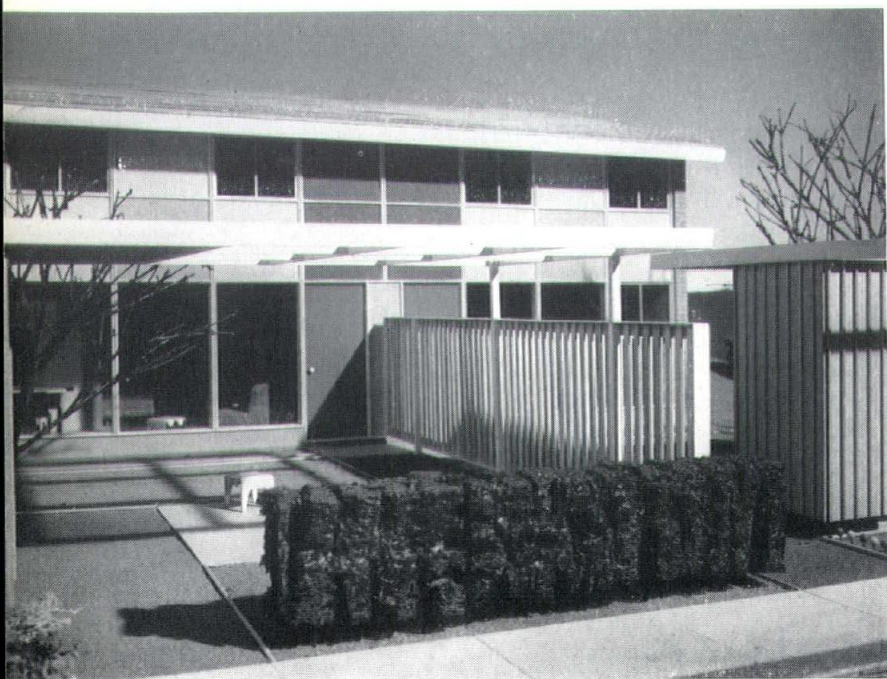
Diagram shows new scheme for prefabricated apartments by Techbuilt: only seven kinds of factory manufactured panels used in construction.

GARDEN APARTMENTS USING PREFABRICATED PANELS

Pilot Project Underway in Buffalo

The latest development in prefabrication is a series of garden apartments marketed by Techbuilt, Inc. of Cambridge and designed by architect Carl Koch which can be built with only seven kinds of factory manufactured panels: (1) roof panel, (2) floor panel, (3) front panel with windows, (4) back panel with windows, (5) front panel with a door, (6) back panel with a door that gives access to a landscaped patio, and (7) solid front panel. The developer can build these new apartments for as little as \$9 per square foot (total construction costs.)

New garden apartments designed by Cambridge architect Carl Koch and manufactured by Techbuilt, Inc. for a large project in Buffalo have floor-to-ceiling glass looking out on private patios. The apartments cost \$9 per square foot and can be built two or three stories high. The overall plan for the Buffalo project affords a choice of two basic apartments — one 16'x29' with two bedrooms, the other 20'x29' with three bedrooms. Foreground: the larger apartment includes a living room, dining room, family room and kitchen on the lower floor; the three bedrooms and bath above.

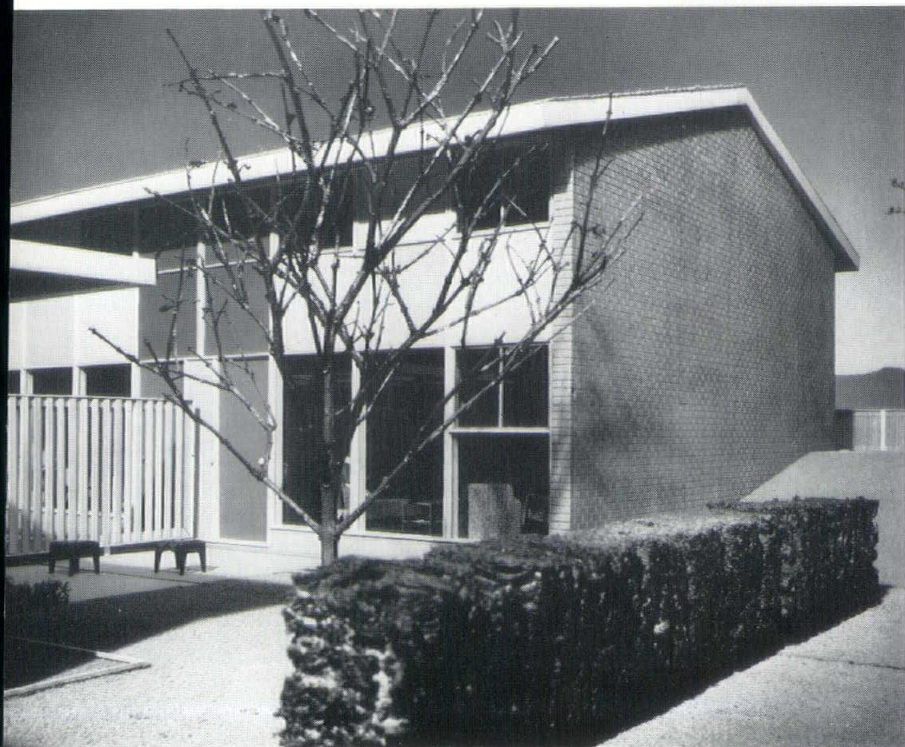




Interior view of model shows floor-to-ceiling glass looking out on landscaped patio in new Techbuilt apartments.

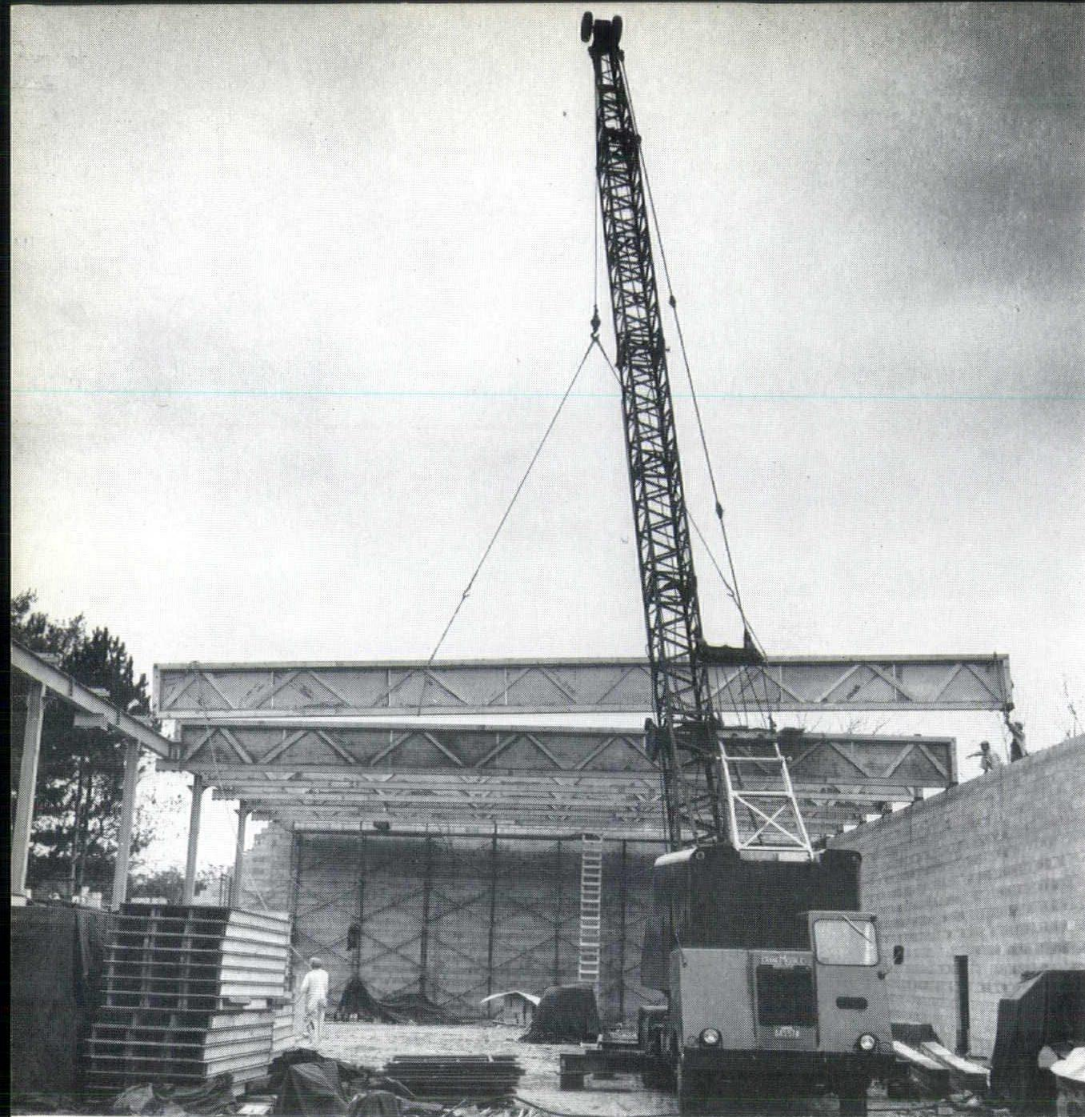
Aerial view of model shows new garden apartments prefabricated by Techbuilt of Cambridge. The overall plan for these two-story Techbuilt apartments in Buffalo will accommodate 186 families. Each apartment has its own private patio.

The first project utilizing this new system is now underway in Buffalo, New York. The overall plan provides a total of 186 two-story apartments, each with floor-to-ceiling glass on the first floor looking out on a private patio. The apartments will all have a mid-level formal entrance with steps leading down to the living room, dining room, family room (in the larger apartments) and kitchen on the lower floor; and up to three bedrooms and bath above.



This is one of a large series of new designs being currently developed by Techbuilt. Progressing from the panel system used in the original two-story house, Techbuilt developed 4' modular panels for one-story houses and vacation cottages. According to John R. Wilson, President, a greatly expanded system of modular construction is now available for use in medical centers, schools, motels, college housing and a wide variety of other institutional and commercial structures.

This patio view shows the exterior of the two bedroom Techbuilt apartment. The living-dining room and kitchen are on the first floor; two bedrooms and bath on the second.



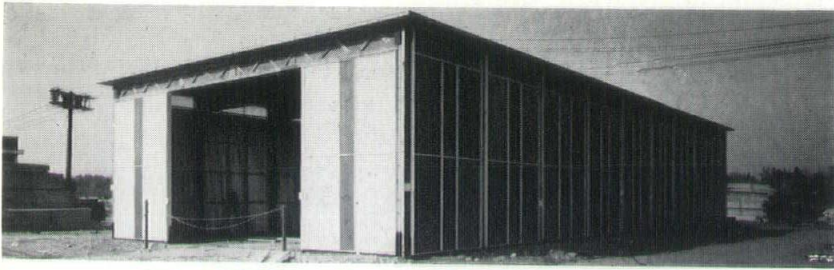
*All pictures courtesy of
Wood Fabricators, Inc.*

ENGINEERED WOOD CONSTRUCTION

WOODBAR, used in place of steel, is shown being positioned in the new Georgia Pacific 30,000 square foot building in Needham, Mass. Each 60 ft. long WOODBAR has a design load capacity of 30,000 lbs. and weighs only 4,000 lbs. Manufacturer's estimated cost is 20% less than steel. Architect for this building is Symmes, Maini & Hryniewicz; contractor, Vappi & Co., Inc.

86-foot beams designed by William Drummey, Architect, for the Bourne, Massachusetts Senior High School are presently being manufactured by Wood Fabricators, Inc.

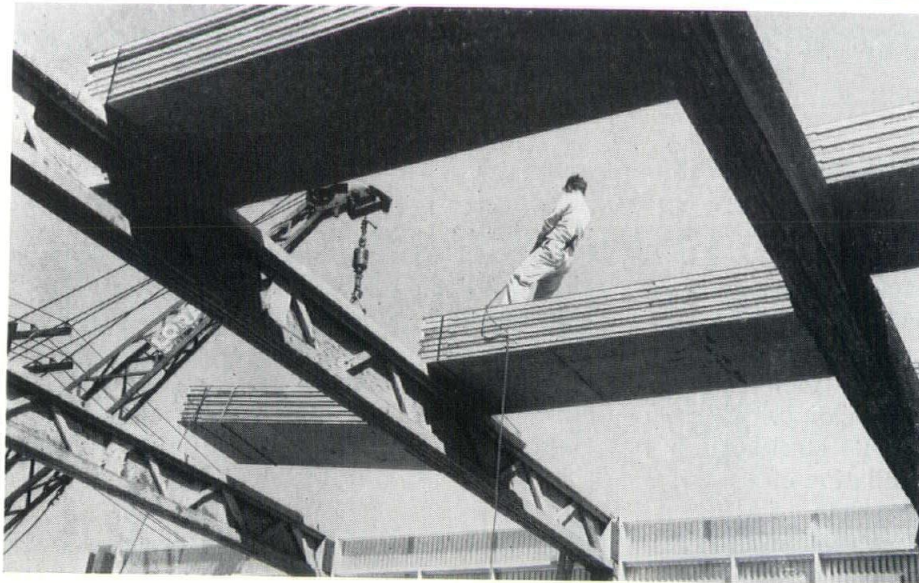




NEW MASSACHUSETTS LUMBER COMPANY WAREHOUSE

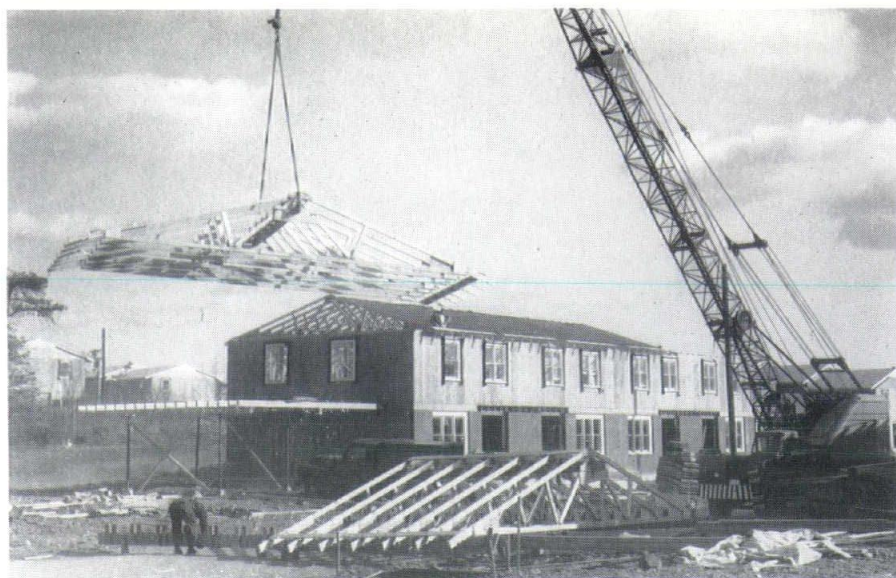
Massachusetts Lumber Company needed a warehouse FAST!!!

The warehouse, built at the Sudbury branch, used 40-foot WOODBARS and stress skin panels. The entire 4,300 square foot building was erected in 2½ days by a crew of five men. Roof panels were installed at a cost of 4¢ per square foot.



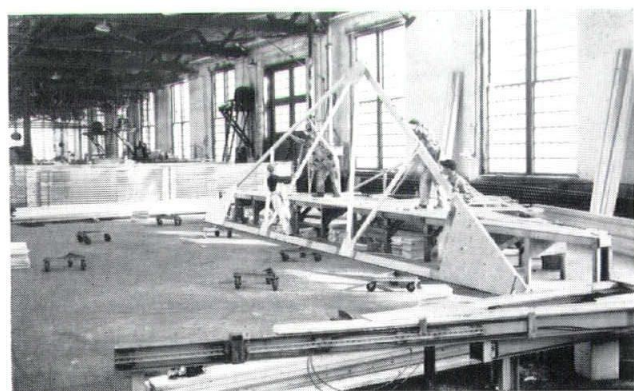
Similar roof construction manufactured by Wood Fabricators, Inc., has been used in Capehart Housing projects at Hanscom Field, Bedford, Massachusetts; Westover Air Force Base, Chicopee, Massachusetts; Otis Air Force Base, Falmouth, Massachusetts; and Lockbourne Air Force Base, Columbus, Ohio; during the past year.





Motels such as the Battle Green Motor Inn, Lexington, Mass.; supermarkets; churches such as the Methodist Church in Reading, Mass. designed by Arthur Dirlam, and the Methodist Church in Sudbury, Mass. designed by Edward Bridge; all have used this 40-foot truss. Unusual site problems of supervision and erection are eliminated by the use of "Woodfab" shop-made trusses. Perfect roof line, quality control construction and faster building at less cost, all result from the use of this precision-made truss.

This new Foxboro bowling alley combined 98' clear span bowstring wood trusses with 30 to 47 foot WOODBARS. This building, erected during the recent steel strike, was ready for installation of the roof six weeks from date of order. H. E. Cline Construction Company, the builder, reports considerable savings of both time and money.



Building the roof on the ground means safer and faster work. Davidson Construction Co. roofed eight buildings each winter day at the housing project at Pease Air Force Base, Portsmouth, New Hampshire. The architect for this job is Koehler and Isaak, Manchester, New Hampshire.

UNITED STATES PLYWOOD REPORTS

Record sales and earnings for the first six months of its fiscal year were announced today by the United States Plywood Corporation.

Consolidated net earnings after taxes for the six months to October 31, 1959 amounted to \$7,332,000, equal after preferred dividends to \$2.93 per share on 2,434,284 common shares outstanding. This compares with net earnings from operations in the same period of 1958 of \$5,189,500 after taxes and equal after payment of preferred dividends to \$2.07 per share on 2,390,426 common shares then outstanding. The latter figures do not include \$1.05 per share of non-recurring profit reported in the six month period last year.

For the quarter ended October 31, 1959 net earnings after taxes were \$3,326,000, equal after preferred dividends to \$1.33 per share. In the same period of 1958 profits from operations were \$3,132,500 or \$1.26 per share after payment of preferred dividends.

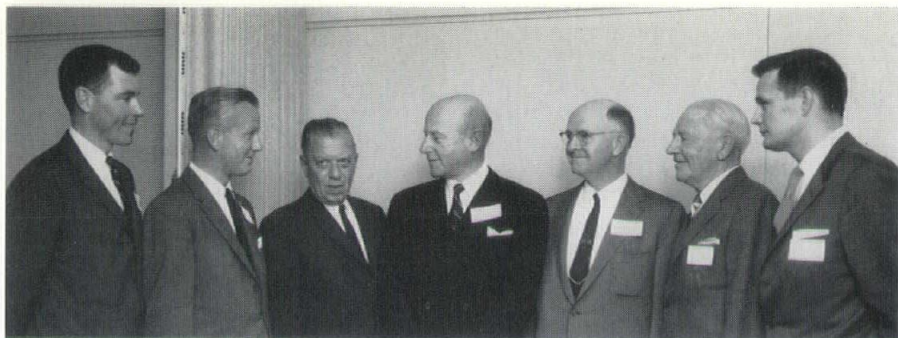
Record sales for the six months to October 31, 1959 amounted to \$142,839,000 compared with \$115,297,000 in the same period last year. Sales for the quarter were \$70,662,000 compared with \$61,936,000 for the same quarter last year.

PROMOTED

John K. Edmonds has been named assistant executive vice president of the American Institute of Steel Construction, it was announced by H. Buckley Dietrich, president. His office will be at 101 Park Avenue, New York City, headquarters for the Institute, which is the national association representing the structural steel fabricating industry.

Mr. Edmonds, a native of Cambridge, Mass., grew up in Ohio and was graduated from Yale University in 1935 and Harvard Business School in 1937. His experience includes five years with Jones & Laughlin Steel Corporation, an instructorship at Harvard Business School, lecturing at Ohio State University, and combat engineering service with the U. S. Marine Corps in World War II.

For the past 13 years he has been proprietor and partner in the firm of John K. Edmonds & Associates, a management consulting firm which he established in Columbus, Ohio, in 1946.



NORDBLOM COMPANY, REALTORS

Nordblom Company and Trustees of Route One Industrial Park were hosts to Westwood Town officials and business associates at the new building for Raytheon Company, Distributor Products Division, Westwood. Left to right, Rodger P. Nordblom, Vice President, Nordblom Company; John T. Thompson, Division Manager, Raytheon Company, Distributor Products Division; L. Thomas Shine, Trustee of Route One Industrial Trust; Charles F. Adams, President, Raytheon Company; Elmer O. Cappers, Trustee of Route One Industrial Trust; Vernon B. Hitchins, Trustee of Route One Industrial Trust and Richard L. Jones, Vice President, Nordblom Company.

Bulletin DIGEST

AS COMPILED BY M. PATRICIA WILLIAMS, ASSOCIATE EDITOR

Mr. Edmonds is a trustee and Treasurer of the Columbus Gallery of Fine Arts, a member of the University Club, Columbus Country Club and "41" Club, all of Columbus. Presently he and his family reside at 240 N. Cassingham Road, Columbus.

LUMBER GROUP ELECTS NEW OFFICERS

Thomas J. McHugh, 66, president of the Atlantic Lumber Co., Boston, was elected president of the National Lumber Manufacturers Association today to climax the 1959 annual meeting of NLMA directors and committees at the Statler Hilton Hotel.

McHugh succeeds Robert M. Ingram, president-general manager of the E. C. Miller Cedar Lumber Co., Aberdeen, Washington. Ingram was elected NLMA board chairman, succeeding N. Floyd McGowin, president of the W. T. Smith Lumber Co., Chapman, Alabama, who becomes chairman of the association's Policy Committee.

McHugh, who will serve as president of the association during the next 12 months, heads one of the

largest hardwood lumber firms in the U. S. The Atlantic Lumber Co. has sawmills in Georgia, Kentucky, South Carolina, Virginia and Tennessee, and a distribution yard in Buffalo, New York.

A native of Providence, Rhode Island, McHugh is a director of the Diamond National Corp., New York City; the Vestal Lumber and Manufacturing Co., Knoxville, Tennessee, the the National Shawmut Bank of Boston.

He is also a trustee of the Union Savings Bank of Boston and holds membership in the Boston Chamber of Commerce, the U. S. Chamber of Commerce and the National Association of Manufacturers.

McHugh has been a director of NLMA since 1950 and formerly served as chairman of its Public Relations Committee. Other lumber groups with which he has been affiliated include Southern Hardwood Producers, Inc., the Southern Pine Association, Southern Cypress Manufacturers Association, Appalachian Hardwood Manufacturers, Inc., and Northeastern Lumber Manufacturers Association.

(Continued on page 24)

ELECTED DIRECTOR

E. J. O'Leary, president and chairman of The Ruberoid Co., has been elected a director of Cumberland Chemical Corporation, it was announced by John A. Hill, chairman of the board of Cumberland and president of Air Reduction Company, Incorporated.

Cumberland Chemical Corporation is jointly owned by Ruberoid and Air Reduction. Cumberland produces at Calvert City, Ky., materials for use in the manufacture of floor and wall tile and other building construction products which are marketed by the Mastic Tile division of Ruberoid.

BUSINESS PROSPECTS RATED "GOOD" FOR NEXT SIX MONTHS

A leading economist declared recently that business prospects appear "good" for the remainder of 1959 and the first half of 1960.

Dr. Ralph Robey, economic adviser to the National Association of Manufacturers, said such conditions can continue "almost indefinitely" and the nation can achieve prosperity "greater than any we have ever experienced" — provided the government and private industry find solutions to certain "major problems."

Addressing an annual meeting of the National Lumber Manufacturers Association, Robey identified these problems as (1) settlement of the current steel dispute, (2) the international balance of payments deficit, (3) Treasury financing, (4) the danger of inflation, (5) taxation and (6) the need for further labor legislation.

Robey said the country is now going through a period of "recovery from recent setbacks," and added:

"If we solve our problems, or make substantial headway in that direction, recovery can continue almost indefinitely. If we make little or no headway in the solution of these problems, we may wake up any morning a few months hence and wonder what hit us in the face."

"In other words, this is the time for all of us to go to work. If we do that, there is a great future ahead — greater than any we have ever experienced."

ARCHITECT SEES WOOD CONTRIBUTING TO NEW CONCEPT IN HOME DESIGNING

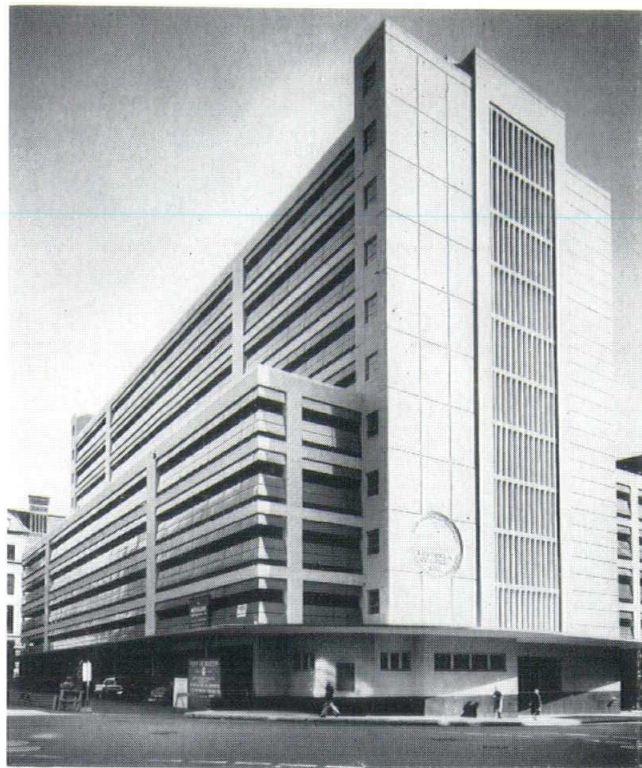
A "new concept of architecture" is taking hold in the design of homes and wood has been assigned a key role because of its "life and warmth," one of the nation's leading architects declared today.

Henry Hill, San Francisco architect, author and member of the American Institute of Architects, said the new trend in home design is away from the "enclosed box" and more toward the use of materials to create "living and vital space."

Addressing an annual meeting of the National Lumber Manufacturers Association, Hill explained:

"The architect is no longer designing the enclosed box — or a series of boxes — with holes punched into the walls through which to peek out. The so-called 'picture window,' with its cellophane-wrapped lamp shade in the middle, is only a larger hole. We are

\$2,000,000. OFF-STREET PARKING GARAGE OPENS IN BOSTON



Boston's newest off-street parking garage is now opened to the public. It is strategically located at Bedford and Kingston Sts. in the Boston department store and shopping district.

The 10-story structure will hold 735 automobiles and the Bowser System of elevators is capable of delivering each automobile to its owner in less than three minutes.

The reinforced concrete building is finished in buff colored masonry and blue toned porcelain panels. Architect for the project is S.S. Eisenberg, Boston. Engineers are Lilenthal and Becker, Boston. Wexler Construction Co. Inc. of Newton, Mass. was the General Contractor.

concerned with space, and the three-dimensional definition of that space."

Building materials, Hill said, are now being used — not for themselves — but for what they contribute to the livability of a home.

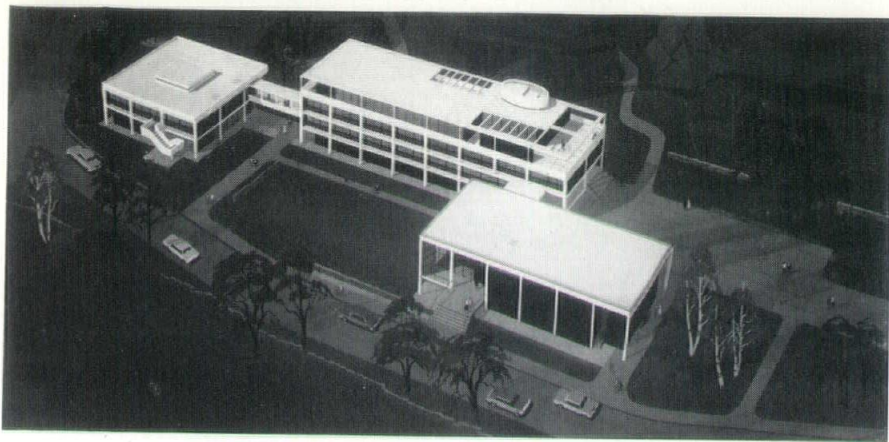
Wood should gain greater importance in home design, Hill asserted, because it has "a living quality that is shared with delight and understanding by all mankind."

Other "positive forces" in wood's favor, he pointed out, include its economy and "dignity." Hill added:

"Wood is inherently a vital and living material. More than any other material we have, it has an extraordinary abundance of the best that is in the human being: life and warmth, and a vital quality of expressing itself so that we all understand it immediately. . . .

"To me, above all, wood has a dignity. To me, it follows that wood must be treated with dignity."

BRANDEIS MILLION DOLLAR CENTER UNDERWAY



Brandeis University has begun construction on a million dollar center for the social sciences, expected to be completed for the 1960-61 school year.

Included in the new facilities will be the four-story Morris Brown Social Science Building housing psychology laboratories and teaching areas, and sociology, anthropology and economics faculty offices. A child psychology laboratory and related programs will be housed in the second structure, Lemberg Hall.

The third building, Schwartz Teaching Center, will include a lecture

hall seating 330 persons and adjoining classrooms.

The brick concrete and glass buildings are of contemporary design, characteristic of Brandeis' new development.

Architects: The Architects Collaborative, Cambridge, Massachusetts; Partner in Charge, Benjamin Thompson. Engineers: Reardon & Turner (Heating, Mechanical); Simpson, Gumpertz & Heger (Structural); Thompson Engineering Co. (Electrical). General Contractor: George B. H. Macomber Company.

EASTERN SALES MANAGER

Clair W. Crider has been appointed Eastern Division Sales Manager, Flooring and Adhesives Division, The Flintkote Company, it has been announced by W. Leon Harper, the Division's General Sales Manager. Mr. Crider, who succeeds Houston Boyet, now retired, will make his headquarters in New York City.

Mr. Crider has been associated with Flintkote since 1953. Prior to his current position he served as a Tile-Tex floor tile salesman in Memphis and Houston, and more recently held the post of Sales Promotion Manager at Chicago Heights, Ill.

The Eastern Division reaches from Maine to South Carolina.

Poley-Abrams Corporation recently announced the removal of their offices to their new building at Forty-Five Bartlett Crescent, Brookline 46, Massachusetts. Beacon 2-7530

Dragon Cement Company, New York, announced the following promotions: William H. Klein, Executive Vice President, Production; R. H. B. Smith, Executive Vice President, Sales.

STEEL BOOKINGS DOWN

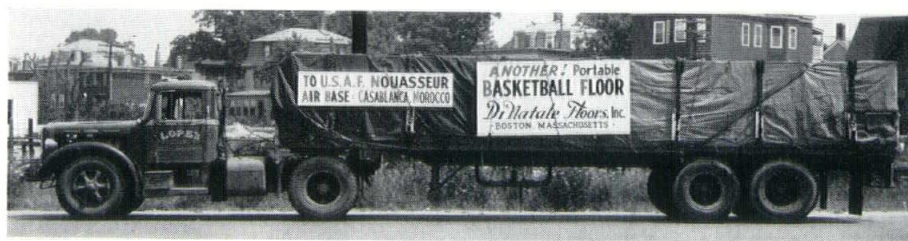
The fabricated structural steel industry continued to draw from its inventory during October and was able to ship 195,313 tons of structural steel for buildings and bridges. According to reports compiled by the American Institute of Steel Construction, October shipments were 7 per cent better than the previous month and marked the first month deliveries improved since the steel strike period began in July.

Total shipments for the first ten months of 1959 were 2,487,949 tons, 20 per cent below the corresponding period of last year.

October bookings totaled 244,060 tons, off some 14 per cent from September. Accumulated bookings during the first ten months of this year totaled 2,596,543 tons or 11 per cent better than the same period a year ago.

The AISC announced that total industry backlog as of October 31 was 1,891,116 tons. Of this amount 984,290 tons are scheduled for future fabrication during the next four months ending February 29, 1960.

DINATALE FLOORS — SHIPS ABROAD



A portable Basketball Floor — 56' wide by 88' long — made of 25/32 x 1 1/2" Clear Beech flooring and made up of 156 panels each 4' x 8' long was recently crated and packed for delivery to the Brooklyn Army Terminal for trans-oceanic crossing to the Air Force in Morocco.

Mr. Harold Ust, a sales representative in Casablanca, Morocco, contacted DiNatale Floors advising that an order for a portable Basketball Floor was being sought by Major William P. Nash, Chief of the Personnel Services Division, United States Air Force, at Mediouna, Morocco. Due to the complications of local laws and import regulations, Mr. Ust was asked to represent DiNatale Floors in this transaction.

Following the shipment, Mr. Ust advised the commanding General at Sidi Slimane Air Base in Casablanca that this floor was "Uncle Sam's Christmas gift" this year. Last year a similar Basketball floor (60' x 112') was flown by a C-124 Globemaster plane to the Air Force Base at Reyjavik, Iceland as "Uncle Sam's Gift." We hear that the servicemen are not only enjoying their new Basketball floor for competitive Basketball but also have held Roller Skating tournaments on this floor as well as occasional dance parties.

A. A. WILL

SAND & GRAVEL CORPORATION



SCREENING PLANT OF A. A. WILL SAND & GRAVEL CORPORATION AT CANTON, MASS.

Selling to Building Contractors, Stone and Brick, Sand and Roofing Stone
which meet all Federal and State Requirements.
All Material Analyzed Monthly by Thompson-Lichtner Co., Engineers

BOSTON PLANT: CAnTon 6-0722
HOME OFFICE: HYde Park 3-4400



*Selected by Architects...



*** NORTH SHORE
SHOPPING CENTER**

ARCHITECTS: John Graham & Co, New York: CONTRACTOR: John A. Volpe Co., Malden, Mass.

... for the largest Shopping Center

Salem Glass Co.

Salem Glass Co. supplied Aluminum and glass for facias, column covers and special entrances.

We proudly announce that we are entering

our thirty-first year of service. It is our aim to maintain the high quality of work we have become known for and to continue to offer above par service to our many customers.

**EXPERIENCE AND COMPETENT CRAFTSMEN — SPECIALIZING
IN COMMERCIAL AND INDUSTRIAL INSTALLATIONS**

BOSTON PHONE

—

LAfayette 3-5245

SEVENTY-FIVE CANAL STREET • SALEM, MASSACHUSETTS

GOOD LIGHTING IS GOOD ARCHITECTURE

"Light is what you see as well as what you see by — therefore, in the visual sense, **LIGHT IS ARCHITECTURE.**" This was the theme of two challenging talks made by Bill Lam, designer-president of LAM INC. of Wakefield, Massachusetts, before groups of the Illuminating Engineering Societies and their guests from the architectural and engineering professions in Orlando and Sarasota, Florida, recently.

WILLIAM LAM

President

LAM, INC.

WAKEFIELD, MASSACHUSETTS



Illustrating his points with about 60 slides of buildings old and new, Bill Lam demonstrated with dramatic clarity the crucial part played by lighting in good architectural design. "Until fairly recently," he said, mentioning famous historical structures, "All buildings were designed around natural daylight and the difference between great architecture and mere building was in the skill with which the daylight was admitted into

the building, and the way this light was reflected by the building to create a visual image appropriate and inspiring for that particular building function. . . . Structural innovations were not always developed to be lighted, but often were developed to achieve the kind of lighting and space effect desired. Recall the clerestory lighted domes of the Byzantine, the flood of light from the central hole in the dome of the Pantheon, the flying buttresses developed to achieve the lofty verticals of colored light in the Gothic cathedrals . . ."

And coming to the present, "Our ability to create great architecture *should* be greatly enhanced, since we have not only the improved control of daylight made possible by modern materials and construction systems, but the use of economical artificial light, which frees the architect from complete dependence on daylight and gives unlimited design possibilities. These unlimited possibilities, however, create some new problems. *There are too many choices*, bad as well as good, not only the choices between the thousands of lighting fixture designs, but also the more basic choices between potential patterns of light made possible by the variety of artificial light sources and the unlimited number of ways they and the building can relate to each other. Basic design choices must be made and made carefully, with design decisions made first before the details. If we start with the electrical layout and selection of lighting fixtures, there is *no* design, and the results are accidental."



Continuing this thesis, he emphasized the importance of closer collaboration between the architect and the lighting engineer throughout the development of a building design in order to achieve real integration of lighting and architecture in the final design.

Hawaiian-born William M. C. (Bill) Lam is a graduate of the Massachusetts Institute of Technology School of Architecture. He teaches at the Boston Architectural Center, beside filling the position of Designer-President of LAM INC., of Wakefield, Massachusetts, manufacturers of Modulume, a versatile system of ready-to-install structural lighting for architectural specification.

"the best way
to cure and seal
concrete?"



CONCRETE-KOTE

★ CURES ★ SEALS ★ HARDENS
★ DUSTPROOFS

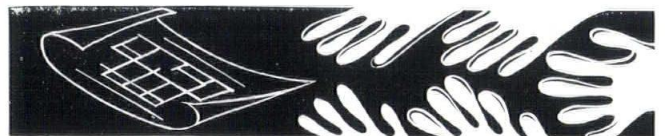
RAPID DRYING . . . Concrete-Kote leaves floors ready for use or flooring installation in as little as one hour.

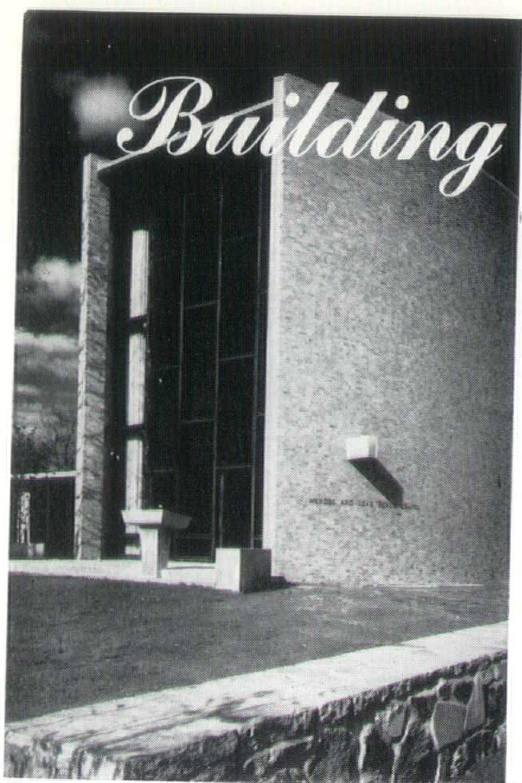
KEEPS FLOORS CLEANER . . . Any product that eliminates dusting and prevents staining deserves a trial.

NO SPECIAL TREATMENT . . . Application could never be easier and no acid etch is required. Actually gives 100% to 150% greater coverage than ordinary preparations. Cuts future maintenance.



WRITE
MERIT PAPER & CHEMICAL CORP.
57 REGENT STREET
CAMBRIDGE 40, MASSACHUSETTS
FOR SPECIFICATIONS





Chapel on Brandeis campus

Ironbound Continuous Strip Hard Maple Floor in Brandeis University, Waltham, Mass. Architect: Archie Riskin. General Contractor: Keystone Construction Co.

Building the Brandeis name

IRONBOUND* CONTINUOUS STRIP* HARD MAPLE FLOOR

Brandeis University, a newcomer to intercollegiate sports, made a real name for itself on the basketball floor last year. Though its team has been in the making only a few years, Brandeis gave our better-known basketball powers some very stiff competition.

The Ironbound Continuous Strip gymnasium floor — where team-building begins — was an important factor. This floor assures fast, lively action, saves wear on leg muscles, keeps players at their best. The reason is Ironbound's construction — its short-length hard maple strips are precision milled and interlocked with sawtoothed steel splines and laid over mastic and cork. Expansion is minimized and controlled to prevent cracks caused by shifting; playing surface remains permanently smooth. For your next gymnasium job, let us tell you more about the advantages of Ironbound. We will be happy to furnish tailored specifications for your use and budgeting.

*T.M. Reg. U.S. Pat. Off.

NATIONAL FLOORS COMPANY

113 Brighton Avenue,

Boston 34, Massachusetts

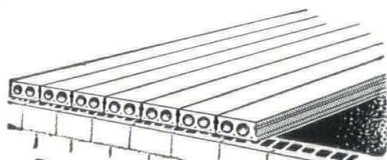
Phone: STadium 2-2310 STadium 2-4326

FLEXICORE SLAB

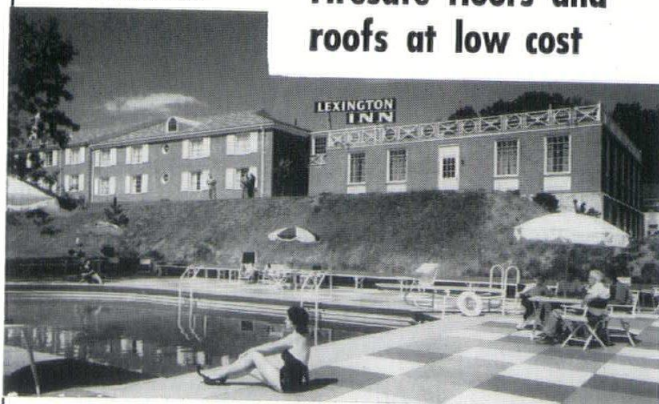
LEXINGTON INN
Lexington, Massachusetts

Architect:
ARTHUR G. MANASELIAN
Boston, Mass.

General Contractor:
McGLAME & PERSON
Brookline, Mass.



Firesafe floors and roofs at low cost



Fits every type of construction. Homes, stores, factories, schools, churches, office buildings, motels. **Firesafe.** Concrete with reinforcing steel, can't burn. **Shelter.** Concrete slab over basement shelters from severe acts of nature or man-made destruction. **Heating.** Hollow cores can be used for constant comfort warm-air heating system. Adaptable to air conditioning. **Hollow cores.** Lighten weight. Used for wiring and plumbing. **Also acoustical treated slab now available.** Write or call for technical data.

DURSTONE FLEXICORE CORP.
68 Webcowet Road
P. O. Box 1
Arlington, Massachusetts
Mlssion 3-7841 - 8-0494

Plant:
P. O. Box 61
Lincoln
Rhode Island
PAwtucket 3-7100



KEN

BOB

Illustrated . . . new Von Duprin #66 Panic Device in Stainless Steel

Getting together to wish you Greetings of the Season

KENNETH H. BULLARD CO.

Manufacturers Representatives

15 Boylston Place, Brookline 47, Mass.

ASpinwall 7-3330

REPRESENTING

BROOKLINE INDUSTRIES, INC.
Door Trim

GLYNN-JOHNSON CORP.
Door Holders

RIXSON
Door Closers

VON DUPRIN
Panic Exit Devices

HEAT!... where you want it
... when you want it ... INSTANTLY!

THE *Champ-Heater*
PORTABLE SPACE HEATER



PRICED
 AS LOW AS
\$210

**Stay on the job, no matter
 how cold it gets outside!**

This "furnace on wheels" allows you to keep working, regardless of the weather. One switch starts the burner and blower instantly—no "warm-up" period needed! Its Under-writer-Approved burner is the same type used in home oil-heating—your assurance of safe, dependable operation.

The ideal answer to your need for temporary heat on the farm, in service stations, construction work, building trades, — anywhere you need fast, efficient, portable heat!

- Burns kerosene or fuel oil.
- Plugs in to nearest electrical outlet.
- Completely portable — can be wheeled anywhere.
- Temporarily heats an area the size of a six-room house — yet it's smaller than a wheelbarrow!

IMMEDIATELY AVAILABLE AT:

LEE

EQUIPMENT CORP.

33 ISLAND STREET • BOSTON 19, MASS.

Branch Offices and Warehouses

MANCHESTER, NEW HAMPSHIRE
 TURNER EXTENSION
 NAtional 2-2232

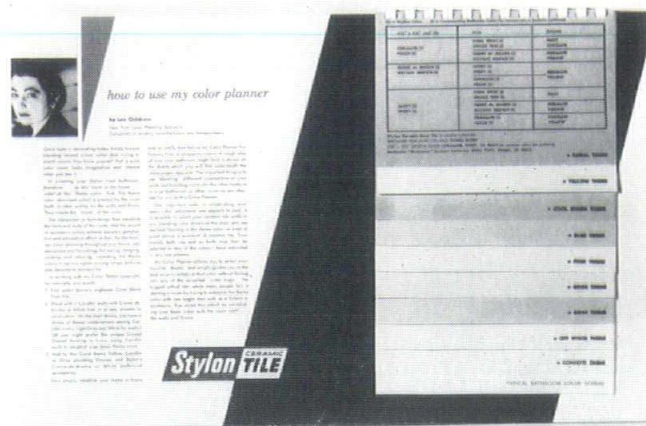
PHONE
 HIGHLANDS
2 - 4 2 1 0

HARTFORD, CONN.
 62 LaSALLE ROAD
 ADams 3-5750

LITERATURE

COLOR PLANNER

In ceramic tile, one major manufacturer, Stylon Corporation, has packaged nine basic color themes in an easy-to-use Color Planner for home builders and will give them point-of-sale displays for their Model Homes allowing them to show and offer the nine schemes.



Gone are the collection of 25 or more colors from Stylon's boiled-down builder package. Sure, Stylon still has 25 or more available, but to simplify things in model homes, it makes available ten wall tile colors, ten floor ceramic mosaic "blends" and alternate Crystal Glaze colors for floors — all worked into a versatile Color Planner.

Prospects can make their own combinations in the builder's office from Stylon's compact displays. The company gives them to any builder using its product and promoting it through a model or similar display area.

"AIRPATH" BOOKLET OFFERED

A new booklet, "Facts on B. F. Goodrich 'Airpath' Cushioned Rubber Floor Tile" is now available, according to an announcement by Raymond P. Russell, Sales Manager, The B. F. Goodrich Company, Flooring Products, Watertown, Mass.

This booklet lists the properties, features and numerous types of applications that benefit with cushioned rubber floor tile, such as: hospital corridors, libraries, churches, museums, theaters, hotels and other public and institutional buildings; working areas in banks, airline, railroad and bus terminal ticket offices, executive offices, conference rooms, lounges, dentist offices, funeral homes, barber shops, beauty salons, and other business and professional areas. It is perfect for airport and railroad control stations, communication rooms, telephone exchange switchboard rooms, stock exchange floors, music, radio and TV broadcasting studios. Airpath is now being specified for installation in office machine rooms and in the latest computing and data-processing machine rooms where minimum vibration and maximum cleanliness are essential for utmost accuracy and dependability.

An acoustical properties chart, showing the improvement in impact transmission loss for various floor tiles compared with bare concrete, is included, as well as other technical data. Beautifully illustrated with full-color installation scenes, this booklet is available on request. Write: The B. F. Goodrich Company, Flooring Products, Watertown, Mass.

POST LANTERNS

There's a post and post lantern designed for every home — and an eight-page booklet now available from the Progress Manufacturing Company, Inc., Phila. 34, Pa., shows how to select the right combination of post and lantern for individuality and practicality.

"Post Lanterns You Can Mix or Match" illustrates lanterns for every style home — from traditional 18th Century Williamsburg to the modern split level of 1960. Posts, in a variety of styles, to hold the lanterns are also shown in detail.

The booklet describes two new post lantern accessories that make outdoor living more convenient and the home a safer place . . . "Nite Guard" and convenience outlets.

"Nite Guard," controlled by a photoelectric cell, is an automatic on-off switch for outdoor lanterns that turns the lantern on at dusk, off at dawn for the homeowner's protection and safety. Weatherproof convenience outlets permit outdoor electric cooking and provide current for lawn mower and appliances, giving post lanterns still another dimension in usefulness.

"Post Lanterns You Can Mix or Match" shows matching wall lanterns that add a "finishing touch" to the post lantern picture by extending your home's personality to the front door.

ASSOCIATION ISSUES NEW "SPECIFICATION MANUAL" FOR NORTHERN HARD MAPLE FLOORING

A new "Specification Manual" for Northern hard maple, beech and birch flooring is now available. Single copies of the A.I.A. file size booklet can be obtained free of charge from the Maple Flooring Manufacturers Association, 35 East Wacker Drive, Chicago 1, Illinois.

This new piece of literature, really a textbook on hardwood flooring, includes the latest complete grading rules established by the association, according to the announcement.

In addition to detailed interpretation of the official rules for grading hardwood flooring, the text includes information on the physical characteristics of the species used in flooring manufacture, quality control in force at the mills, thicknesses and face widths available, uses of the different grades, the table to use

in order to ascertain the quantity of flooring required and the official rules governing reinspection of flooring.

The booklet also includes suggested specifications for the installation of sound trouble-free hardwood floors. "Careful study has been given to the technical aspects of floor-laying procedure in preparing the outline suggestions for underfloor construction, waterproofing on or below grade, finish carpentry, sanding and finishing," the association said.

"Architects and others interested, are provided with a guide to aid them in writing specifications for the conventional floor — sleepers, sub and finish floor, as well as for the patterned type floor built with individual strips or assembled blocks and laid directly over the concrete subfloor in mastic adhesive."

An added feature in the new Specification Manual is the direct photographic color reproductions of Northern hard maple flooring panels illustrating the three standard grades.



Everybody's happy — homeowner, builder, flooring contractor, architect. PARKS Kote adds just the right finishing touch to a flooring job well done. Best of all, PARKS Kote stands up under heaviest traffic, resists spotting and scratching, needs practically no upkeep.

For best results before finishing, prepare ALL wood floors with PARKS Wood Seal. Forms a perfect sanding base, penetrates, seals, assures a tight bond with the top coat. Keep PARKSOL handy to thin PARKS Kote (when required), to clean brushes and hands.

The PARKS name, also on famous PARKS Strictly Pure Shellac and PARKS Sealer-Primer, assures you of the finest quality made.

• For free testing samples, write

PARKS
THE PARKS COMPANY, Fall River, Mass.



"King of Floor Finishes"
(In pints, quarts, gallons, 5-gal. pails)



Perfect base for
finish coat

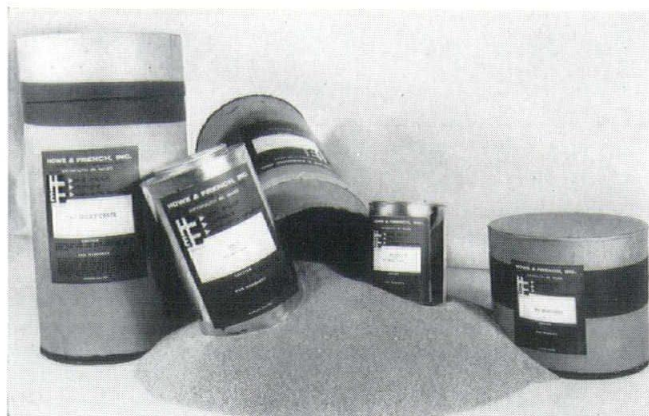


For thinning and
cleaning up

NEW PRODUCTS

SPECIAL PACKAGING FOR H-F EPOXY COMPOUNDS

Sturdy containers designed for safe shipping plus convenience and economy of on-the-job application have been developed by Howe & French Inc. for its two floor-surfacing and patching compounds, H-F Epoxy-Crete and H-F Epoxy-Tred, according to Lee Blyler, vice-president.



Sturdy packaging of H-F Epoxy-Crete, showing components of 96-lb. unit at left. At right, 24-lb. unit

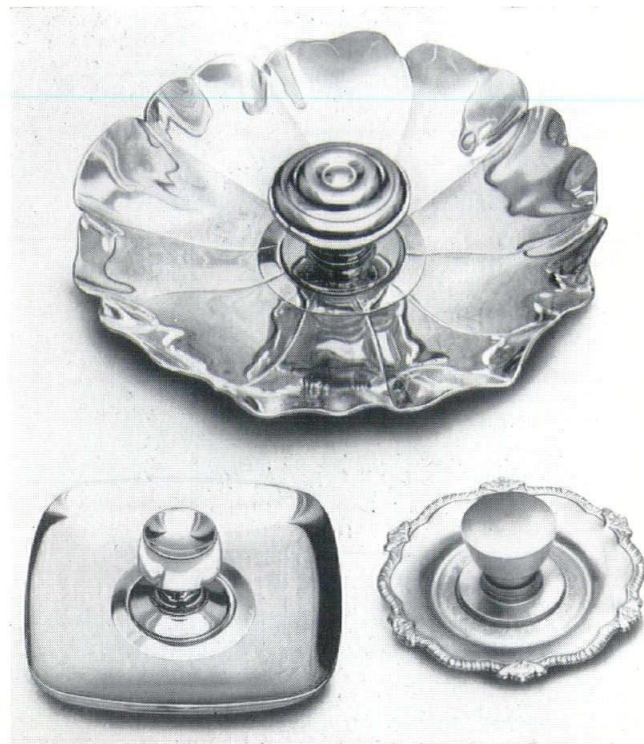
The containers are three-component units in heavy reinforced cylinders, each product in two sizes for large and small applications. Epoxy resin and hardening agent are packed in the cylinder with special kiln-dried sand or abrasive in correct proportions for mixing.

H-F Epoxy-Crete is packaged in 24 and 96 lb. units, sufficient to cover 9 and 36 square feet of floor respectively with a surface one-quarter inch thick. H-F Epoxy-Tred, a special skid-proof surfacing compound, is packaged in 8½ and 35 lb. containers for 50 and 200 square foot areas.

These epoxy-based compounds bond permanently with virtually all common flooring materials, forming a surface of tremendous strength that resists impact, vibration, heavy usage and erosion. They are now widely used for "problem areas" where ordinary flooring materials fail to withstand heavy abuse.

YALE ESCUTCHEONS

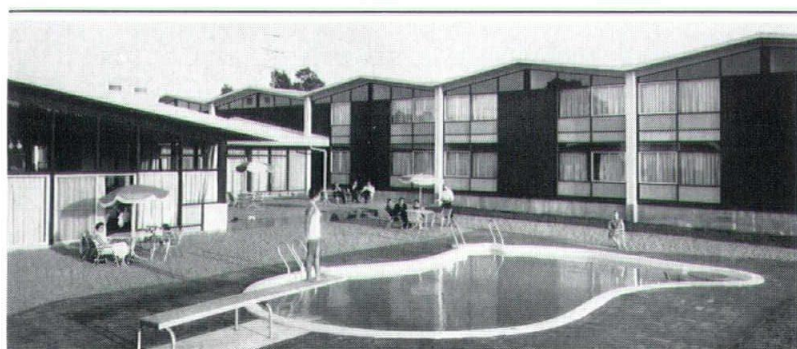
The trend toward consumer demand for unusual decorative objects that express individuality in the home was marked by Yale & Towne's lock and hardware division with the introduction of a new line of decorative escutcheons in a wide range of shapes, styles, sizes, and finishes.



Three of the nine new decorator escutcheons introduced by Yale & Towne's lock and hardware division are shown above. The new line of escutcheons can be used with any knob design in Yale's 5200 and 5300 key-in-the-knob type residential locksets and with some of the company's heavy-duty 5400 series. Decorators and homeowners can make many combinations that will provide striking decorative accents on interior and exterior doors. Shown above are: (top) Sunflower escutcheon with Bedford knob; (bottom left) Contemporary escutcheon with Brandywine knob; and (bottom right) Coronation escutcheon with Esser knob.

The new Yale escutcheons were introduced here at the sixth annual National Retail Lumber Dealers Association Building Products Exposition which was held at the Public Auditorium and the Sheraton-Cleveland

(Continued on next page)



MOTEL 128
DEDHAM, MASS.

Concrete block and Brick furnished by Foster Bros. . . one of New England's most Modern Plant Facilities

Complete "One-stop" Service

CONCRETE AND CINDER BLOCKS
★ **MASONS SUPPLIES** ★

MANUFACTURERS OF
BRICK • PATIO BLOX • SPLIT-BLOCK • Available in 8 Colors

DISTRIBUTORS OF
EASY SYSTEM OF WATER PROOFING • EASY MIX •
EASY PLUG • SILASHEEN • CONTRACT WATER PROOFERS

Foster Bros., Inc.

22 EVERETT STREET

P.O. BOX 142 • ISLINGTON • MASS.

NO 7-1622 - 3095

Hotel (Nov. 14-17). All nine new escutcheons are easily within the budget of any discerning homeowner and may be used with any knob design in Yale's 5200 and 5300 key-in-the-knob type residential lockset lines and with some of the company's heavy-duty 5400 locksets. Thus a vast variety of combinations is available to decorators and homeowners to provide striking and individual accents for interior and exterior doorways. The nine new Yale escutcheons are: *Sunflower* — A large circular escutcheon with a floral motif and petal-shaped edge — 11¼" in diameter; *Astor* — A smaller version of the Sunflower — 6" in diameter. *Contemporama* — A modern styled square escutcheon with rounded corners and subtle concave lines — 8"x8". *Cushion* — A rectangular version of the Contemporama — 7"x5". *Floral* — A large oval escutcheon with fluted edges and a floral pattern — 10"x16". *Coronation* — A traditionally styled escutcheon with Baroque ornamentation — 6" in diameter. *Tear Drop* — A modern styled triangle shaped escutcheon with rounded angles and subtle concave lines — 9" sides. *Gadroon* — A large circular escutcheon with a filigree border and floral motif — 10" in diameter. *Chippendale* — A smaller version of the Gadroon — 7½" in diameter.

MASONITE

Masonite Corporation soon will introduce an additional decorative group of interior hardboards, the 400 series. The cherry-grained hardboard, grooved in random widths, will be available for delivery to dealers early in January, in three shades: Colonial, Natura and Frosted.



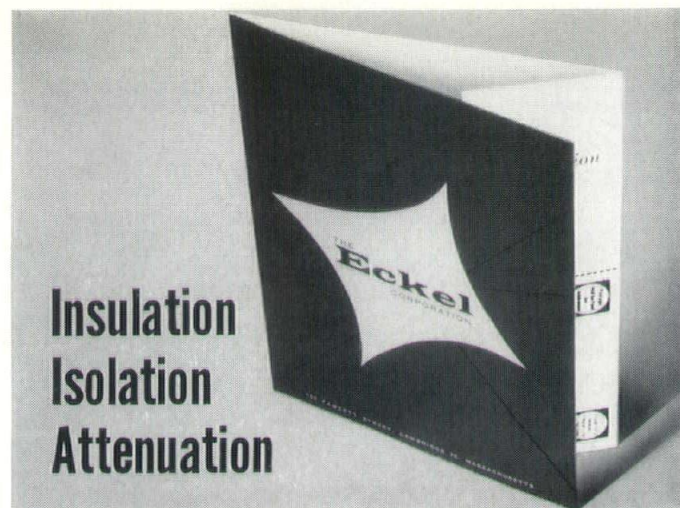
The quarter-inch panels will be produced in 16" x 8' sizes. They will be tongue-and-grooved and may be applied over existing walls, studs or furring strips by means of easily applied metal clips.

A feature of the 400 series is the simulation of a plank cherry wall with the plank-by-plank variations that exist in cherry woods. This authenticity is in contrast to many veneers, the company said.

The high quality factory graining by which Masonite Corporation is able to achieve its appearance objective, a spokesman said, is a three-color process produced by a new unit at the company's plant in Laurel, Miss.

Clips for use in installing the 400 series planks will be included in a separate package with each order. Included, too, will be nails with colored heads for use in corners.

Following installation, the company recommends the application of a protective coating such as clear varnish, lacquer, shellac or wax to preserve the beauty of the woodgrained surface. Low gloss finishes are recommended.



ECKEL has everything for the control of temperature • noise • vibration • moisture migration

Eckel delivers a double bonus:

1. **finest products:** Owens-Corning, Pittsburgh-Corning, Eagle Picher, Goodrich, Korfund, Philip Carey, etc.

2. **best service:** complete engineering and fabrication service for thermal insulation, sound and vibration control

SEND FOR FREE FACTS FOLDER AND SAMPLES — you'll be surprised to see how many ways Eckel can help solve your problem!

THE
Eckel CORPORATION, 156 FAWCETT STREET
CAMBRIDGE, MASS.-KIRKLAND 7-4744

Specify

ROOMS
100-125
→

OUT-PATIENT
DEPARTMENT
→

FORT HILL

FORT HILL PLASTIC LETTERS

PRECISION CUT
NOT MOLDED
IN ALL STANDARD
COLORS

AVAILABLE
IN ALL SIZES
UP TO 8 INCHES

SIX STYLES

COND. ROMAN

FUTURA

ROMAN

KABEL

MODERN

GOthic

FORT HILL PLASTIC LETTERS

40 HANOVER ST. BOSTON 6, MASS.

Architect and Contractor

CHOOSE MASSACHUSETTS CEMENT BLOCK

Thousands of concrete and cinder block were supplied by Massachusetts Cement Block Company for the latest student dormitory buildings constructed at Boston University.



WOMEN'S RESIDENCE AT BOSTON UNIVERSITY, BOSTON, MASSACHUSETTS

ARCHITECT: Von Storch & Burkavage, Waverly, Penna.

GENERAL CONTRACTOR: Vappi & Company, Inc., Cambridge, Massachusetts

Massachusetts Cement Block was selected to fulfill the quality and service required by the Architect and Contractor for this well known project. Your requirements can be just as carefully fulfilled by specifying——

MASSACHUSETTS CEMENT BLOCK COMPANY

909 FELLSWAY, MEDFORD, MASSACHUSETTS

Call EXport 6-5030 — Connecting all Departments

MANUFACTURING

**NORLITE - WAYLITE - DURAGLAZE
CINDER & CONCRETE BLOCK**

RANCH STONE AND PATIO BLOCK IN SEVEN DECORATOR COLORS

NEW PRODUCTS

DUAL DUCT

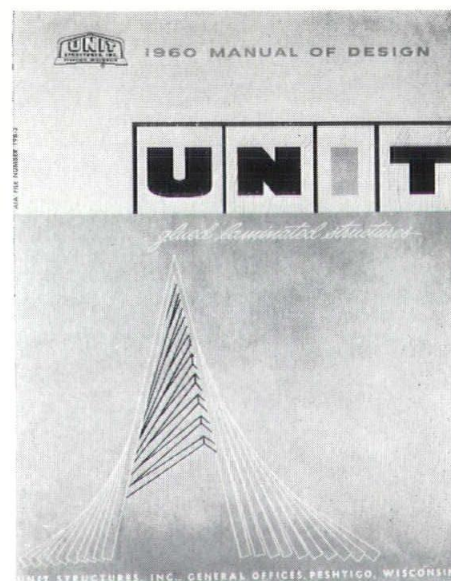
Photographs, details, and dimensions of Dual-Duct air mixing units with unique patented automatic volume control features are included in a new two-color catalog issued by Buensod-Stacey, Inc., New York, pioneers in the development of high velocity air conditioning equipment. The catalog is designated Bulletin DD-6. It has 16 pages.

Contained is detailed performance data, specifications, dimensions and arrangements of Dual-Duct systems for different types of buildings and zoning arrangements.

Copies are available from Buensod representatives in 44 cities or from the company, 45 West 18th Street, New York 11, New York.

UNIT STRUCTURES

A colorful, information-packed Manual of Design has been prepared by Unit Structures, Inc., of Peshtigo, Wisconsin. The booklet is ready for distribution to architects, designers and others interested in factual information about glued laminated wood structural members.

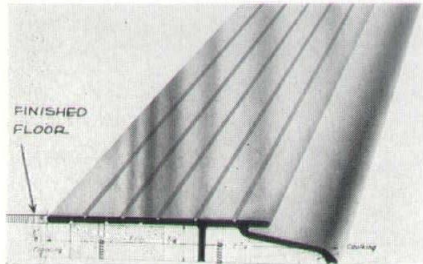


In addition to a wealth of detailed information and design data on various types of laminated arches and beams, the Manual provides arch and beam connection details, comprehensive roof beam design charts, specifications for glued laminated construction, color selection chart for stain finishes, details and specifications on structural roof decking, and other factual information.

Address requests to Advertising Department, Unit Structures Inc., Peshtigo, Wisconsin.

NON-TRIP SADDLE DESIGNED

A non-trip saddle specifically designed for out-opening doors in schools and hospitals where this extra feature is important, is one of the broad range of weatherstripping products made by Zero Weather Stripping Co., Inc., New York. The company manufactures a complete line of weatherstripping for regular and sliding doors, windows, light-proofing, soundproofing and saddles for regular and floor-hinged doors.



Available in extruded bronze and aluminum, the non-trip saddle can be fitted with either a flexible hook or an extruded rigid interlock.

Application data and useful suggestions for writing weatherstripping specifications for the non-trip saddle and Zero's complete line of weatherstripping materials is contained in the company's 1960 Weatherstripping Catalog and Reference Guide. Design and installation details in the catalog are drawn full-size for easier visualization and incorporation directly into plans with a minimum of scaling.

The 28-page catalog can be obtained by writing Zero Weather Stripping Co., 451 East 136th Street, New York 54.

COLUMBUS COATED FABRICS

Columbus Coated Fabrics Corporation of Columbus, Ohio has announced the appointment of the Cleveland Office of McCann-Erickson, Inc. as advertising agency. The appointment is effective December 1, 1959.

According to Charles M. LaRue, Jr., Director of Advertising and Sales Promotion, the appointment of McCann is consistent with a long-range company program to strengthen the marketing, advertising and promotion efforts behind such well-known Columbus Coated products as Walltex washable fabric wall coverings, Guard heavy-duty vinyl wall coverings for commercial and institutional applications.

The program to expand Columbus Coated Fabrics marketing communications was announced two years ago, upon the appointment of Mr. LaRue to his present post.

NEW WIREMOLD DATA SHEETS

Two new data sheets dealing with the use of Wiremold surface raceways in entirely different office applications have been released by The Wiremold Company, Hartford 10, Connecticut.

Data Sheet A-12 deals with the use of No. 3000 Wiremold as a ceiling duct for telephone installations in a reinforced concrete multi-storied office building and points out how the economics realized are reflected in both wiring costs and in the cost of the structure.

Plugmold 2200 as a combination multi-outlet and raceway system which provides a versatile solution to the problem of wiring for various types of accounting equipment is described in Data Sheet A-13 which explains how the No. 2200 combination system provides the necessary means for circuitry required to assure adequate voltage for such factors as length of run, starting currents, and number of machines on each line—for both presently installed and future units.

Free copies of Data Sheets A-12 and A-13 are available from The Wiremold Company, Hartford 10, Conn.

GENERAL MARBLE COMPANY

Pictured is an installation of Precast Marble Tiles. The tiles composed of



marble chips, color pigments, and marble dust with a cement backing are manufactured in sizes 10" x 10" x 3/4", 11 7/8" x 11 7/8" x 1", 15 3/4" x 15 3/4" x 1 1/4". The marble aggregates range from No. 2, 3 giving a terrazzo effect to pieces 4" x 12" creating a mosaic pattern. Made of the finest marbles the tiles are manufactured in a wide variety of colors and patterns. The tiles can be used for floorings and walls adding beauty and durability. *For further information write the GENERAL MARBLE COMPANY CO., 634 Boston Street, Lynn, Mass.*

Francis H. Curtin



Insurance Agency, Inc.



*To our many friends
and clients we wish to
extend our best wishes
for*

A Very Merry

Christmas

and

A Happy New Year



**689 CONCORD AVENUE
CAMBRIDGE,
MASSACHUSETTS**

UNiversity 4-4780

PITCHER & COMPANY

INCORPORATED

ENGINEERS —
CONTRACTORS

*a
quarter century of
dependable service*

ACOUSTI-CELOTEX

REGISTERED

U. S. PAT. OFF.

BURGESS
MANNING
THREE-WAY
RADIANT
CEILINGS

FLINTKOTE
INSULROCK
ROOF DECKS

MOVABLE
OFFICE PARTITIONS

MAIN OFFICE
67 ROGERS STREET, CAMBRIDGE, MASS.
152 WARREN AVENUE, EAST PROVIDENCE, R. I.
37 HARVARD STREET, WORCESTER, MASS.
ASHLAR DRIVE, GOFFSTOWN, N. H.
MEMORIAL DRIVE, WINTHROP, MAINE

GUTH FLUORESCENT FIXTURES

The same brilliant acrylic-base finish used on millions of late autos (no polishing in 3 years) . . . is now available on Guth Fluorescent Fixtures *at no extra cost!*



This new Lucite Acrylic enamel by DuPont assures an extra-rich, sparkling white finish on Guth fluorescents with 50% less discoloration, when exposed to ultra-violet, than other quality enamel finishes.

The Lucite Acrylic finish provides maximum reflectivity and light output. Since it affords up to 80% greater resistance to all common stains, compared to other good enamel finishes, the original efficiency of Guth fluorescents now lasts longer.

Because Lucite Acrylic finish on Guth fixtures is 175% harder than present quality enamel finishes, dust and dirt can't embed itself as easily . . . maintenance costs are reduced.

Guth fluorescents with this tougher Acrylic finish have superior resistance to chipping and scratching.

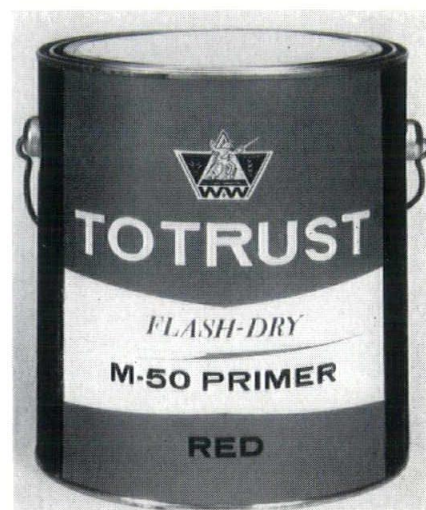
Also, new Acrylic finishes on Guth fluorescents provide better paint adhesion to the metal, better humidity resistance, better salt spray resistance, better fume resistance, better grease resistance, better heat resistance and better baking-color stability than other quality enamel fixture finishes.

For additional information and comparative test data write the Edwin F. Guth Company, 2615 Washington Blvd., St. Louis 3, Missouri.

NEW FLASH-DRY RUST INHIBITIVE PRIMER

Now rust can be effectively stopped with a new concept in TOTRUST Flash-Dry M-50 PRIMER, just introduced by the WILBUR & WILLIAMS COMPANY, INC., as the newest member of their TOTRUST line of metal coatings. Drying to a tough, flexible, low lustre finish in 15 minutes, TOTRUST

Flash-Dry M-50 PRIMER penetrates deep into rust pits and other surface irregularities to form an intimate bond with the metal surface. This product utilizes the extreme rust inhibition provided by the National Lead Company's M-50 (Basic Lead Silico Chromate) Pigment which offers a highly active particle surface of basic lead chromate coated over a lightweight silicacore. The rust inhibition provided by this New TOTRUST M-50 pigment is far greater pound-for-pound than red lead, zinc chromate or other conventionally used rust-inhibitors.

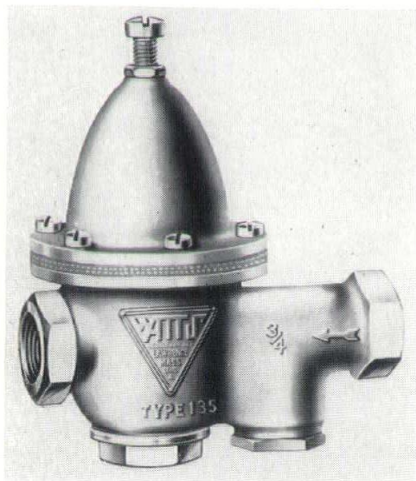


TOTRUST Flash-Dry M-50 PRIMER has conclusively proved in exposure and weatherometer tests to offer excellent exterior durability in one coat, as well as resistance to common industrial spillages and fumes. *The Wilbur & Williams Company, Inc., 650 Pleasant Street, Norwood, Massachusetts, offers a comprehensive data Bulletin No. P-25 on this product.*

WATER PRESSURE REDUCING VALVE

A new water pressure reducing valve with an integral by-pass check valve has been announced by Watts Regulator Company, Lawrence, Mass. In addition to reducing high water pressure, the new valve, designated No. 135B, also prevents dripping from the heater relief valve which normally would relieve due to thermal expansion pressure. It is expected that this feature will be welcomed by contractors because it will eliminate unnecessary call-backs due to dripping relief valves.

The use of a pressure reducing valve normally creates a closed system; the check valve feature provides the advantages of an open system by allowing water to escape back into the supply main. Under normal operation the check is held closed by street main pressure, preventing any flow of water through it into the system. When water is heated in a closed system, however, it expands, causing system pressures to increase. If system pressure increases even slightly above the inlet or main pressure, the check valve opens, allowing water to move back into the supply main.



Application of the No. 135B is limited to installations where the street main pressure is less than the setting of the pressure relief valve. It is available in $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" sizes.

STAINLESS STEEL BUYER'S GUIDE

An exhaustive compilation of over 500 consumer products made in stainless steel—including over 70 in the category of home building—and the names of the firms that manufacture them will be distributed to key purchasing personnel in the architectural and construction fields this month by Union Carbide Metals Company, Division of Union Carbide Corporation.

The 88-page booklet, called BUYER'S GUIDE FOR STAINLESS STEEL CONSUMER PRODUCTS, is the first listing of its kind ever prepared. Broken down into six categories, it covers items in the automotive, hardware, home building, home furnishings, personal and recreation fields. The names and addresses of one or more manufacturers are listed with each item. All products are listed alphabetically within the categories and sub-

divisions as well as in the overall index at the end of the book.

In addition to the listings of products, the directory also includes two introductory sections. The first, "Advantages of Stainless Steel Products," specifies and outlines the benefits of stainless steel products to both the store and its customers. The second section, "The History and Mystery of Stainless Steel," outlines the metal's evolution and technology.

In preparing the Guide, Union Carbide Metals is expanding its long

established program of stainless steel promotion. The major producer of chromium, the element that makes steel stainless, the company has made great technical contributions to the development of stainless and has also participated actively in promoting consumer goods made of the metal. One of the company's researchers in co-operation with a utensil manufacturer actually made the first stainless steel cooking utensil thirty years ago. This utensil is still as good as new after all these years of continued home service.

FIBRE FORMS

Saves
TIME
Saves
LABOR
Saves
MONEY

LIGHTWEIGHT SONOTUBE HAS BEEN WIDELY USED IN PROJECTS INVOLVING CONCRETE COLUMNS, PIERS, PILES, ETC., AND MEETS ALL ENGINEERING STANDARDS. CAN BE SAWED TO EXACT LENGTHS ON JOB. REQUIRES MINIMUM BRACING. COMPLETE TECHNICAL DATA AVAILABLE.



1" UP TO 48" I.D.

For
**ROUND
COLUMNS
of
CONCRETE**
at lower cost!

Distributed by
WALDO BROS. COMPANY
202 SOUTHAMPTON ST., BOSTON 18, MASSACHUSETTS

YARDS & WAREHOUSES

35 HARRISON ST., ROSLINDALE, MASS.
96 BORDER ST., WEST NEWTON, MASS.

HIGHLANDS
5 - 3 0 0 0

Daniel
Marr
& SON CO.

STEEL ERECTORS

STRUCTURAL REINFORCING RIGGING

RENTAL OF CONTRACTORS'
EQUIPMENT . . . OVER 60
YEARS OF SATISFIED
SERVICE.

DANIEL MARR & SON CO.
Telephone ANDrew 8-1660 • 8-1661

25 D STREET - SOUTH BOSTON - MASSACHUSETTS



633 ESSEX ST. LAWRENCE, MASS.

Estimating

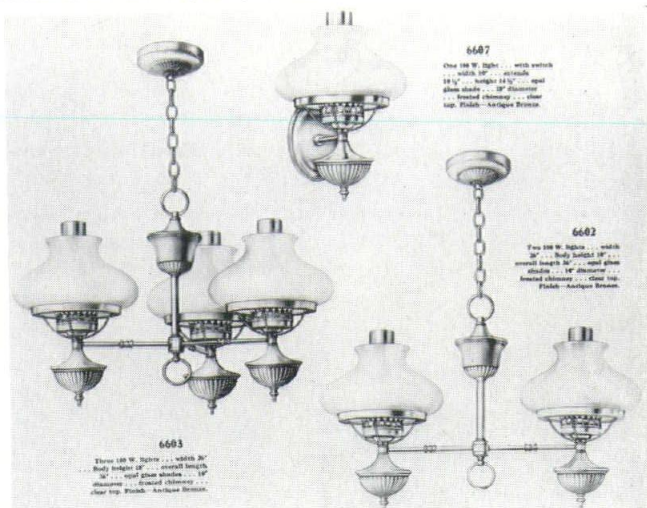
FOR
**ARCHITECTS
BUILDERS
CONTRACTORS**

H. A. CARTER
Associates

LAWRENCE, MASS.
MURdock 7-7477

DAYNA EARLY AMERICAN

Early Americana still enjoys the greatest popularity among home decorations. A new collection by Dayna Lighting, Inc., New Britain, Pa., honors this tradition with five new fixtures to grace the contemporary or the colonial home equally well.



Dayna is a subsidiary of Progress Manufacturing Company, Inc., Phila. 34, Pa., world's largest producer of residential lighting fixtures and related electrical products.

The Dayna Early American fixtures are carefully made to combine the sweep of modern lines with the hand-wrought quality of the early craftsman's art. This combination makes it possible for the fixtures to create a colonial atmosphere in traditional homes or introduce a nostalgic note in modern homes.

An antique bronze finish on the fixtures gives them a gentle satin glow. Opal glass shades and frosted chimneys provide further authenticity.

Two light, three light and pulley type fixtures will bring the charm of our early heritage to dining rooms and kitchens. There is a wall-mounted fixture to extend the mood to halls and foyers.

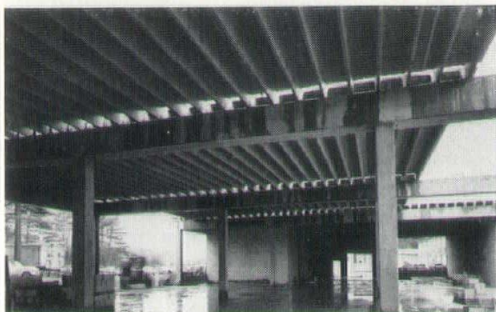
Information on these new fixtures is available in a four-page catalog that can be obtained by writing to Dayna Lighting, Inc., New Britain, Pa.

NICKEL STAINLESS STEEL



Sales office and warehouse of Whitehead Metals, Inc., in the Syracuse Industrial Park, New York. An innovation in the construction of the office section is the use of nickel stainless steel curtain wall projected panels on the exterior, combined with textured stainless steel pattern sheets and porcelain enamel panels. The blending of the various finishes and textures creates a striking functional display of the use of nickel stainless steel for architectural curtain wall construction.

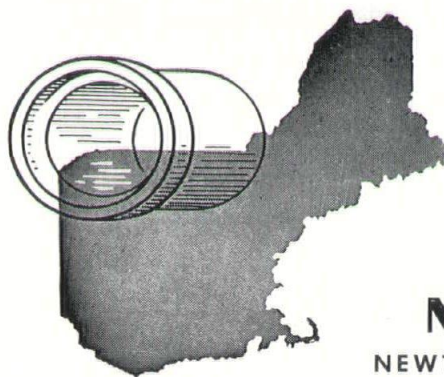
Long Spans . . . call for **PRE-STRESS DOUBLE-T CONCRETE BEAMS**



United Shoe Machinery Corp. — B. B. Chemical Company, So. Middleton Plant. Design Engineers: Charles T. Main, Inc., Boston. Erected by Boston Steel Erection, Inc.



Fabricated Double-Tees — N. E. Concrete Pipe Corp.



Serving New England Over Thirty-One Years

PLANTS

DEDHAM PLANT — LAsell 7-4560 SPRINGFIELD PLANT — Republic 3-4560
NEWTON PLANT — LAsell 7-4560 PROVIDENCE, R. I., PLANT — Union 1-3818

New England Concrete Pipe Corp.

NEWTON UPPER FALLS • MASSACHUSETTS • LAsell 7-4560

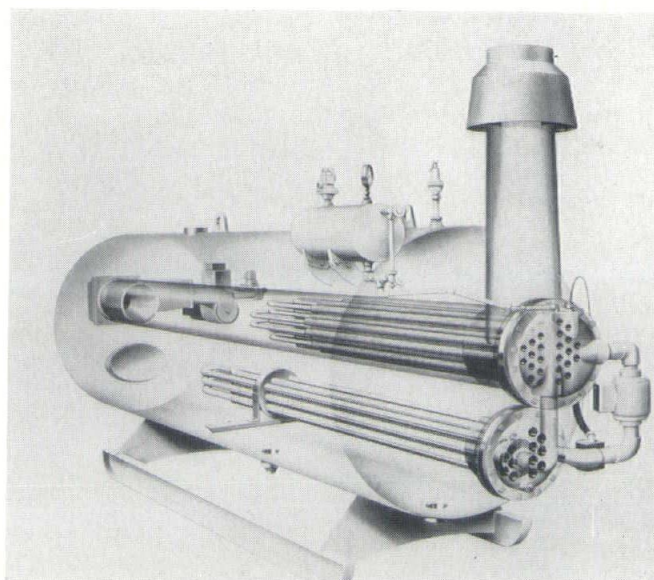
P-K CATALOG DESCRIBES OPERATIONAL FEATURES OF NEW INDIRECT GAS FIRED STORAGE WATER HEATER

NEW 20-PAGE CATALOG ON SCALEFREE GAS FIRED STORAGE WATER HEATER — BULLETIN 4 — describes design, operation, and construction features and installation specifications of a new completely-packaged unit manufactured by The Patterson-Kelley Co., Inc.

Diagrams and schematic drawings are used to define the three basic systems of the new self-contained storage water heater — the gas-burning unit, forced circulation transfer fluid system, and the service water system — and complete information is provided on operational principles, including scale-free heating, automatic controls, safety devices, efficiency, quietness, and versatility of operation.

Design specifications, plus standard weights, dimensions, capacities, and materials of construction (including copper-lined and special cement shell linings) are outlined to illustrate ease of selection, installation and application. Storage capacity, ranging from 250 to 4000 gallons and recovery ranges varying from 375 to 2125 gph for 29 different shell sizes, are detailed in a special section of the bulletin.

For copies of the new Scalefree gas fired storage water heater catalog — Bulletin 4 — write: The Patterson-Kelley Co., Inc., East Stroudsburg, Pa.



Schematic drawing of P-K's new Scalefree® indirect gas fired storage water heater illustrates the compact design of the automatic packaged unit. Equipped with skids for easy installation, the new heater requires only four simple connections to be put into immediate operation and — because the unusual burner design minimizes high noise levels when combustion gases are fired — can be located near offices or in areas where quietness is required.



DRAGON CEMENT COMPANY

DIVISION OF AMERICAN-MARIETTA COMPANY

DRAGON PORTLAND CEMENT

DRAGON MORTAR CEMENT

**DRAGON HIGH EARLY STRENGTH
PORTLAND CEMENT**

The Only Cement Mill in New England

SALES OFFICES

- 840 PARK SQ. BLDG., BOSTON 16
HUBbard 2-3838
- THOMASTON, MAINE
Rockland 1125
- 150 BROADWAY, NEW YORK 38
WOrth 2-1560

JULIAN CONSTRUCTION C O M P A N Y



Rentals

CRANES up to 75 tons

BOOMS up to 180 feet
with jib

★ ★ ★

SHOVELS - DRAGLINES
up to 3 cu. yds. capacity

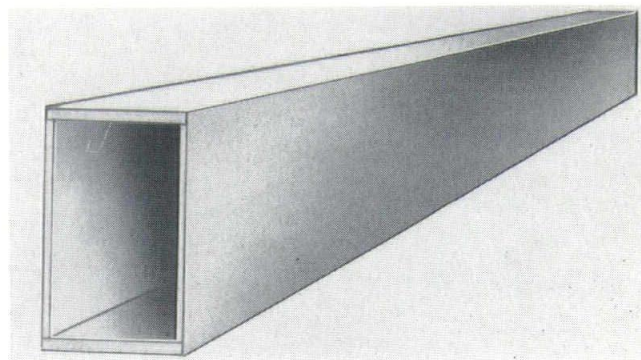
★ ★ ★

Sales Office

330 PLEASANT STREET • WATERTOWN, MASSACHUSETTS
Tel.: WAtertown 4-2900 Shop Tel.: WAtertown 4-2901

STOCK STEEL BEAM AND GIRDER FEATURES GREATER CARRYING CAPACITY

The Shlagro Steel Products Corporation of Somerville, Massachusetts, which pioneered and developed the Shlagro Karri-More Square Column, has now developed another important "first" — the Shlagro Karri-More Beam and Girder, a new structural shape that places steel where it is needed in a beam and girder. This development offers architect and engineer a new tool for contemporary design trends of exposed structural steel members. The Shlagro Karri-More Beam and Girder can be custom-fabricated to almost any contour, and meets the most exacting construction requirements.



The Shlagro Karri-More Beam and Girder can be easily shaped, because of its simplicity of construction. The web plates can be cut to almost any contour, and the top and bottom flanges will assume the contour of the edges of the webs. Because of its simplicity and neat appearance, the Shlagro Karri-More Beam and Girder is especially suited for rigid frames where exposed construction is desired.

Where large column-free areas are required, the Shlagro Karri-More Beam and Girder lends itself to all forms of arch construction — Gothic, Tudor, Parabolic, Two-hinged and Church arches. Unlimited architectural shapes from one steel number are now possible, with the Shlagro Karri-More Beam and Girder.

For additional information on the Shlagro Karri-More Beam and Girder, write for Catalog 775 to the Shlagro Steel Products Corporation, Somerville 43, Massachusetts.

DOUGLAS FIR PLYWOOD ASSOCIATION

Douglas Fir Plywood Association announced plans last month for a substantial expansion of its field promotion force in 1960. The announcement was made by Stanley A. Taylor, field promotion director.

The present force includes 60 men who provide specification assistance to architects, engineers, builders, contractors and other volume plywood users. According to Taylor, the projected expansion reflects the spectacular growth of the western fir plywood industry which has occurred in recent years.

"Softwood plywood production will probably top seven billion square feet this year," Taylor said, "and it will increase again next year. This is probably the fastest growing non-defense oriented industry in the United States."

NEW PRODUCTS — Continued

Taylor said the growth pattern prevailing in the plywood industry has required increases in field personnel every year in the last decade. This year the association contemplates increasing the staff by at least one-third. Expansion will occur throughout the United States.

DFPA field promotional representatives have professional technical backgrounds and practical experience relating to architecture, civil and structural engineering, agricultural engineering, industrial design or forest products.

They are available for speaking engagements before professional groups, builders and other organizations. They offer advice and assistance in new plywood structural developments and they assist building code and government agencies in establishing realistic plywood construction specifications.

In outlining his requirements, Taylor said the association is seeking men with at least several years work experience in their fields who want greater room for personal growth and achievement than their present position offers. Nineteen men will be added in the expansion program.

TREATED HARDWOOD FLOORS RESIST MOISTURE

Treatment of hardwood flooring with a water repellent preservative can reduce considerably the amount of possible cupping or warping in the flooring strips.

That was the conclusion of the Maple Flooring Manufacturers Association as a result of special comparative tests on treated and untreated Northern hard maple flooring.

Water repellent preservatives, according to MFMA, must conform to the requirements of the National Woodwork Manufacturers Association Standards as they relate to general properties and toxicity, and conform to whatever additional preservative minimum standards requirements as may from time to time be adopted and promulgated by the NWMA.

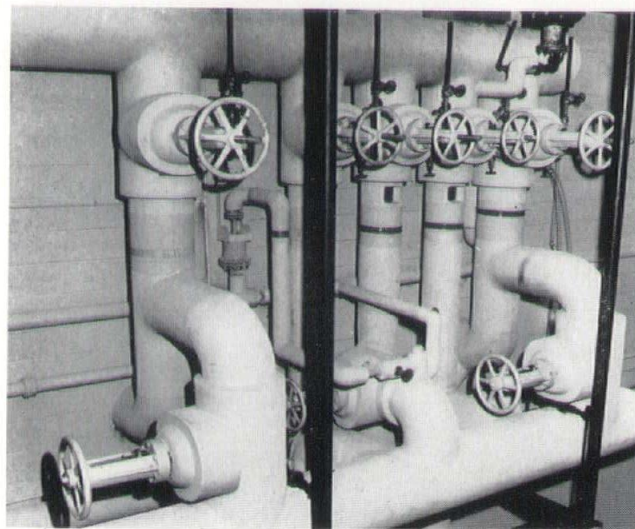
In connection with recommendations for water repellent preservation of maple flooring, the association said:

"The water repellent preservative (Example: Woodlife or its equal) is applied after the completion of final matching. The flooring is completely immersed in a vat of the preservative for three minutes or treated by vacuum process in which the cycle is adjusted, to produce the same retentions of preservatives.

"All surfaces exposed by cutting, planing or trimming subsequent to treatment must be re-treated by applying at least two (2) liberal brush coats of a water repellent preservative meeting the recommendations.

"The flooring can be treated individually or in bundles. Please remember, treated flooring must be dry before installing. When dry it is odor free. If odor of petroleum solvent is detected, place flooring in a warm room (about 70° F.) and arrange bundles for maximum air circulation. Air dry until odor free."

we are **CONTRACTORS and DISTRIBUTORS of...**



Typical Installation • CHRONIC HOSPITAL • BOSTON, MASS.
M. A. DYER CO. • ARCHITECTS & ENGINEERS • BOSTON

... Hot and Cold Insulations

NEW ENGLAND INSULATION CO.

219 Anderson Street
Portland, Maine
SPRuce 2-7481

839 Albany Street
Boston 19, Mass.
HIGHLands 5-7800

Buck Street
Bangor, Maine
BANGor 2-0779

Arthur E. Swanson, *Manager*

**ASBESTOS
MAGNESIA
FIBERGLAS
KAYLO
COVERINGS**

**PRE-FABRICATED
FITTINGS
ALL MATERIALS
ALL SIZES**

**ASBESTOS
MILLBOARD
AND PAPER**

- ELLS
- TEES
- FLANGES
- VALVES, ETC.

NEW ENGLAND INSULATION CO.

CONTRACTS

AWARDED

This resume was compiled with the cooperation of GAINES'S CONSTRUCTION NEWSLETTER and represents a total of \$14,974,488 in building construction contracts (\$100,000 or over) awarded during the month of November, 1959.

MASSACHUSETTS

ASHLAND	\$627,000	LEOMINSTER	\$698,001
Elementary School		Leominster Hospital Addn.	
Archt: Perley F. Gilbert Assoc., Lowell		Archt: Ellerbe & Co., St. Paul, Minn.	
Contr: Tornabene Bros. Co., Newton		Contr: Carroll St. Hillaire, Gardner	
BEDFORD	\$1,118,000	LYNNFIELD	\$103,800
Vets Hospital Recreation Bldg. & Alts.		Fire Station — Town of Lynnfield	
Archt: James H. Ritchie & Assoc., Boston		Archt: Peter Carver & Assoc., c/o Owner	
Contr: Wexler Constr. Co., Newton		Contr: Fred DeLisio, Revere	
BOURNE	\$289,939	MEDFIELD	\$1,143,341
Peebles Elementary School		Junior & Senior High School	
Archt: William W. Drummey, Boston		Archt: Rich & Tucker, Boston	
Contr: Peabody Constr. Co., So. Boston		Contr: L & R Constr. Co., No. Reading	
BRAINTREE	\$229,392	MEDFORD	\$1,500,000
High School Addition		Engineering Bldg. — Tufts Univ.	
Archt: Rich & Tucker, Boston		Engr: Charles T. Main Inc., Boston	
Contr: Cameron Fay & Co., Wakefield		Contr: Tornabene Bros. Co., Newton	
BRIDGEWATER	\$571,711	MELROSE	\$120,000
Male Dormitory — State Teachers College		Apartment Bldg. (16 Units) — Leonard M. Caruso (owner)	
Archt: Curtin & Riley, Boston		Archt: Wagner, Salisbury & Harding, Lynn	
Contr: G. L. Rugo & Sons, Inc., Boston		Contr: Owner Builds	
BROCKTON	\$267,000	MONSON	\$308,400
"Brockton Shopping Center" — Fernandes Realty		Laundry Bldg. — Monson State Hosp.	
Archt: Washburn, Luther Assoc., Attleboro		Archt: Harold C. Knight, Boston	
Contr: A. F. Smiley Constr. Co., Pawtucket, R. I.		Contr: Fontaine Bros., Chicopee Falls	
BURLINGTON	\$400,000	NEW BEDFORD	\$252,900
Electronics Plant — Waveco Corp.		28 Unit Motel — David Lipsitt (owner)	
Archt: Symmes, Maini & Hryniewicz, Cambridge		Archt: Bishop & Hackett, New Bedford	
Contr: Vappi & Co., Cambridge		Contr: John H. Fellouris, New Bedford	
CAMBRIDGE	\$166,700	NORTHAMPTON	\$152,460
Fresh Pond Restaurant Additions		Factory Addn. — Kollmorgen Optical Co.	
Archt: Sawyer, Smith & Wayne, Lowell		Archt: James A. Britton, Greenfield	
Contr: Joseph Corman Corp., Weston		Contr: Ley Constr. Co., Springfield	
DUXBURY	\$1,116,000	NORTHBRIDGE	\$382,000
Junior & Senior High School		Housing For The Elderly	
Archt: Korslund, LeNormand & Quann, Norwood		Archt & Engr: Utility Engr. Inc., Boston	
Contr: Tornabene Bros. Co., Newton		Contr: Concrete Constr. Co., Everett	
FRAMINGHAM	\$1,261,630	NORTH ANDOVER	\$848,000
Dormitory, Student Union Bldg. & Dinging Hall		2 Dormitories — Merrimac College	
Addn., State Teachers College		Archt: Clinton F. Goodwin, Haverhill	
Archt: W. Chester Browne & Assoc., Boston		Contr: Frasca Constr. Co., Lynn	
Contr: L & R Constr. Co., No. Reading		NORTON	\$434,919
GARDNER	\$179,027	Elementary School	
Chestnut Street Methodist Church		Archt: Stoner Associates, Boston	
Archt: Edw. L. Baker & Son, Leominster		Contr: Nickerson Constr. Co., Hyannis	
Contr: Francis L. Piermarocchi, Fitchburg		QUINCY	\$116,348
HYANNIS	\$400,000	Factory Addn. — Tubular Rivet & Stud Co.	
Motel (48 Units) — Peter Choquette (owner)		Archt & Engr: Tekton Assoc. Inc., Natick	
Archt: George F. Clements, Yarmouth		Contr: L. C. Blake Constr. Co., Quincy	
Contr: William Ohman, Jr., Chatham		READING	\$865,350
		Coolidge Junior High School	
		Archt: Smith & Sellew, Boston	
		Contr: D. Guschoy Co., Boston	
		SALEM	\$650,000
		Motel (80 rooms) — Andrew Jabdo (owner), Danvers	
		Archt: Private Plans	
		Contr: Owner awards separate contracts	
		SHREWSBURY	\$450,000
		Prep. School — St. John's Preparatory School	
		Archt: Chester F. Wright, Waltham	
		Contr: Gilbane Bldg. Co., Providence, R. I.	

SOUTHBRIDGE \$911,454

New High School & Cole Trade School Addn.
 Archt: Theodore J. Brodeur Assoc., Worcester
 Contr: H. J. Madore Inc., Worcester

SOUTHWICK \$974,000

High School Addn.
 Archt: Alderman & MacNeish, West Springfield
 Contr: M. I. O'Connor Inc., Northampton

WALTHAM \$1,000,000

Academic Quadrangle — Brandeis Univ.
 Archt: The Architects Collaborative, Cambridge
 Contr: George B. H. Macomber Co., Allston

WENHAM \$135,000

Laboratory Bldg. — Gordon College
 Archt: A. D. Maclaren, Andover
 Contr: Leland Constr. Co., Burlington, Mass.

WESTFORD \$364,611

Elementary School
 Archt: Perley F. Gilbert & Assoc., Lowell
 Contr: W. W. Granger Constr. Co., Shrewsbury

WILMINGTON \$336,951

Elementary School
 Archt: Valtz & Kimberley Inc., Melrose
 Contr: Conti & Donahue Inc., Lynn

WORCESTER \$516,498

Dormitory (Men's) — Assumption College
 Archt: O. E. Nault & Son, Worcester
 Contr: Granger Contr. Co., Worcester

CONNECTICUT**ANSONIA** \$150,900

Library Addn.
 Archt: O. C. S. Zioli, Bridgeport
 Contr: Joseph Vitale Constr. Co., Bridgeport

BRIDGEPORT \$850,000

Boston Avenue Shopping Center —
 Food Fair (owner)
 Archt: Lathrop Douglass, N.Y.C.
 Contr: Thomas Nora & Co., New Brunswick, N.J.

NEW CANAAN \$686,700

High School Addn.
 Archt: Victor Christ-Janer & Lanis Gores,
 New Canaan
 Contr: Gellatly Constr. Co., Bridgeport

NEW HAVEN \$765,340

Dormitory — Albertus Magnus College
 Archt: Polak & Sullivan, New Haven
 Contr: A. Prete, New Haven

MIDDLETOWN \$219,458

Staff Housing — Long Lane School
 Archt: Seb J. Passanesi, Middletown
 Contr: M. A. & M. Inc., Middletown

MILFORD \$2,726,400

Jonathan Law High School
 Archt: Jesse James Hamblin, Bridgeport
 Contr: John Zandonella Inc., Bridgeport

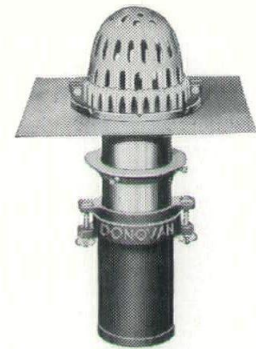
STAMFORD \$1,143,750

Apartment Bldg. — 700 Summer St. Corp.
 Archt: George Miller, N.Y.C.
 Contr: Monroe Constr. Co., Stamford

STAMFORD \$726,615

Apartment Bldg. — Glen Hope Realty Corp.
 Archt: Schuman & Lichtenstein, N.Y.C.
 Contr: Hope Development Co., Stamford

*"It costs
 no more
 to have
 the best."*



TYPE 1-W
 ROOF DRAIN

Everything for Plumbing Drainage

▶ FLOOR DRAINS

▶ ROOF DRAINS

▶ GREASE INTERCEPTORS

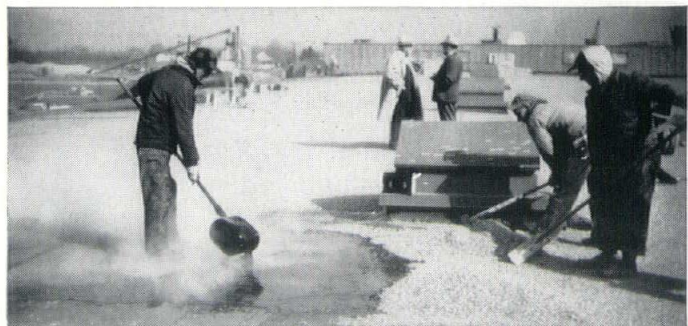
▶ BACK WATER VALVES

OVER 45 YEARS IN BUSINESS

DONOVAN MANUFACTURING Co.

80 BATTERYMARCH ST. • BOSTON 9, MASS.

WHY TAKE A CHANCE?



ROOF WITH THE BEST: Koppers Coal-Tar Pitch Built-Up Roofing

REALLY WATERPROOF . . . Coal-Tar Pitch is the only roofing material that doesn't soak up water: even on pond roofs!

OUTLIVES BOND PERIOD . . . Koppers roofs have consistently outlived their bonds by 10, 20, even 30 years!

SELF-HEALING . . . Coal-Tar Roofs have "cold flow": the ability to heal small cracks and checks that plague other roofs.

TIME-PROVEN . . . More than half a century of experience has proved coal-tar pitch the best roofing material.

*For further information on quality roofing materials,
 write or phone*

GILFOY DISTRIBUTING COMPANY

640 Main Street, Cambridge 39, Mass.

Phone: UNIVERSITY 4-5620

Fiberglas Pipe Covering
Pipe Covering for low
temperature

Transite Pipe

Packing for industrial
use

Refrigerated:

Cold Storage Room
Portable or permanent
type

Hot and Cold Insulation
Materials

**ASBESTOS and
85% MAGNESIA PRODUCTS**

RHODE ISLAND COVERING COMPANY

CONTRACTORS



DISTRIBUTORS

199 West Thames Street
Norwich, Connecticut
TURNER 7-5054

347-351 So. Main Street
Providence, Rhode Island
GA Spee 1-1614

3 Kansas Street
Worcester, Mass.
SWift 9-0517

CONTRACTS AWARDED — (continued)

RHODE ISLAND

CRANSTON \$1,360,000
Colony Motel — Berry Corp.
Arch: L. B. Herbst Corp., Chicago, Ill.
Contr: E. Turgeon Constr. Co., Providence

WARWICK \$273,500
Maintenance Center & Fire Station Addn. at
Theodore F. Green Airport
Arch & Engr: Castelucci & Galli, Providence
Contr: Nanni Bldg. Co., Johnston

NEW HAMPSHIRE

MANCHESTER \$150,000
Terminal Bldg. & Offices — St. Johnsbury
Trucking Co.
Arch: Salsberg & LeBlanc, Brookline, Mass.
Contr: Owner awards separate contracts

MANCHESTER \$117,000
Doctors Offices — Tarrytown Realty Corp.
Arch: Morton Delson, c/o Owner
Contr: Marshall Erdman & Assoc., Madison, Wisc.

KEENE \$368,957
Classroom Bldg. — State Teachers College
Arch: Koehler & Isaak, Manchester
Contr: MacMillan Co. Inc., Keene

KEENE \$255,500
City Hall Addn. — City of Keene
Arch: John R. Holbrook, Keene
Contr: Loney Constr. Co., Brattleboro, Vt.

MAINE

PORTLAND \$106,389
Sales & Service Bldg. — Morong Bros. Inc.
Arch: John Calvin Stevens, Portland
Contr: Casburge Co. Inc., Portland

SOUTH PORTLAND \$100,000
Factory Bldg. — ADC Bldg. Fund Inc.
Engr: Engineering Services Inc., Portland
Contr: Allied Constr. Co., Portland

WASHINGTON COUNTY \$2,219,187
HF Radio (T) & Administration Facilities
Owner: USA — First Naval Distr., Boston, Mass.
Engr: Hayden, Harding & Buchanan Inc., Boston, Mass.
Contr: Franchi Constr. Co., Newton, Mass.

VERMONT

BRATTLEBORO \$334,137
Office Bldg. Addn. — Holstein-Friesian Assoc.
Arch: Nichols & Butterfield, West Hartford, Conn.
Contr: Ley Constr. Co., Springfield, Mass.

BURLINGTON \$472,199
Youth Center & Convent — St. Mark's R.C. Church
Arch: Freeman, French & Freeman, Burlington
Contr: Franchi Constr. Co., Newton, Mass.

WINOOSKI PARK \$894,900
Student Union Bldg. & Dining Hall — St. Mark's
College
Arch: Freeman, French & Freeman, Burlington
Contr: H. P. Cummings Constr. Co., Woodsville, N. H.

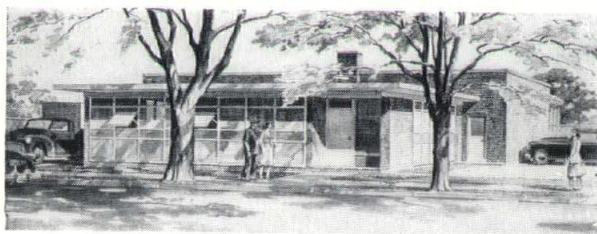
This new ultra-modern industrial building recently completed for the **MONTROSE PRODUCTS, INC.** in **AUBURN, MASS.**

Electrical Contractor — **OSTROW ELECTRIC COMPANY, WORCESTER, MASS.**



The attractive exterior of glazed brick, aluminum and glass, houses a complex plant for the manufacture of plastic coated electrical cable and conduit.

Entire Electrical Installation by *Ostrow Electric Company*



OSTROW ELECTRIC COMPANY

Electric Contractors

9 MASON ST., WORCESTER 9, MASS.

Plymouth Quarries, Inc.



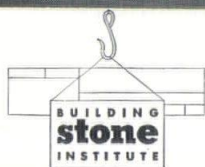
S U P P L I E S

• **STONE**

FOR EVERY BUILDING PURPOSE

WEYMOUTH SEAMFACE AND SPLITFACE
GRANITE • CRAB ORCHARD • CRAIGMAR-
TENNESSEE MARBLE • NEW YORK AND
PENNSYLVANIA BLUESTONES • SANDSTONE
• SLATE

•
VENEERS — Interior & Exterior
TERRACES • PATIO • PLANTER • SILLS
FIREPLACE — Mantels & Hearths
•



ALLIED CONTAINER CORPORATION
DEDHAM, MASSACHUSETTS
ARCHITECT: SUMNER SCHEIN
CONTRACTOR: LILLY CONSTRUCTION CO.

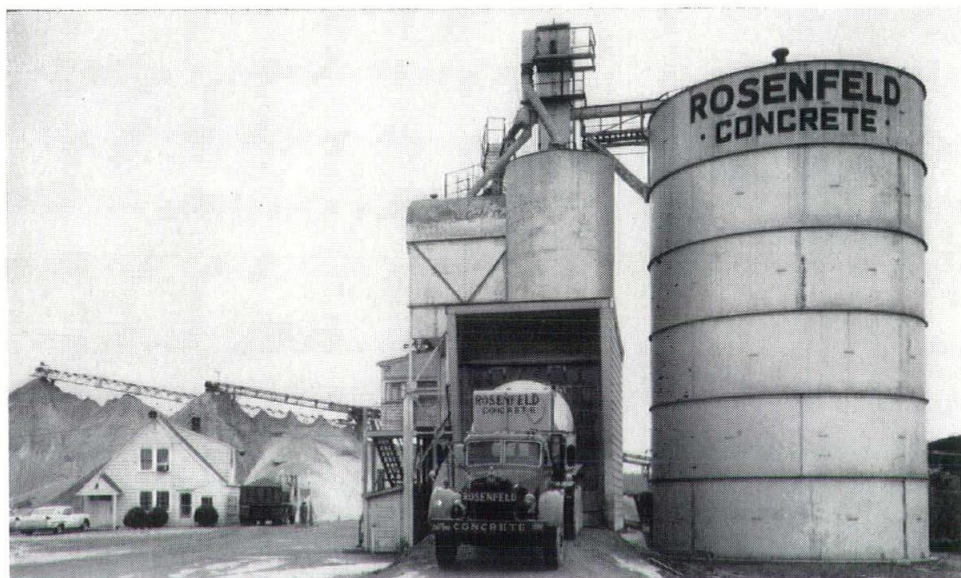
a member of the Building Stone Institute

PLYMOUTH QUARRIES, INC.
MAIL ADDRESS: EAST WEYMOUTH, MASS.
PLANT: 410 WHITING ST., Rte. 3, HINGHAM
TELEPHONE: EDgewater 5-3686

Confidence in Concrete

ROSENFELD CONCRETE COMPANY—Our Ready-Mixed Concrete has been used on hundreds of outstanding construction projects such as Shoppers' World, Framingham; Army Quartermaster Corps, Natick; Wellesley College; Brandeis University; Arlington High School and Lexington High School.

ROSENFELD CONCRETE COMPANY rapidly and dependably services your job from any of four strategically located plants in Milford, Ashland, Walpole and Waltham.



•
*Our
thirty-
seventh
year*

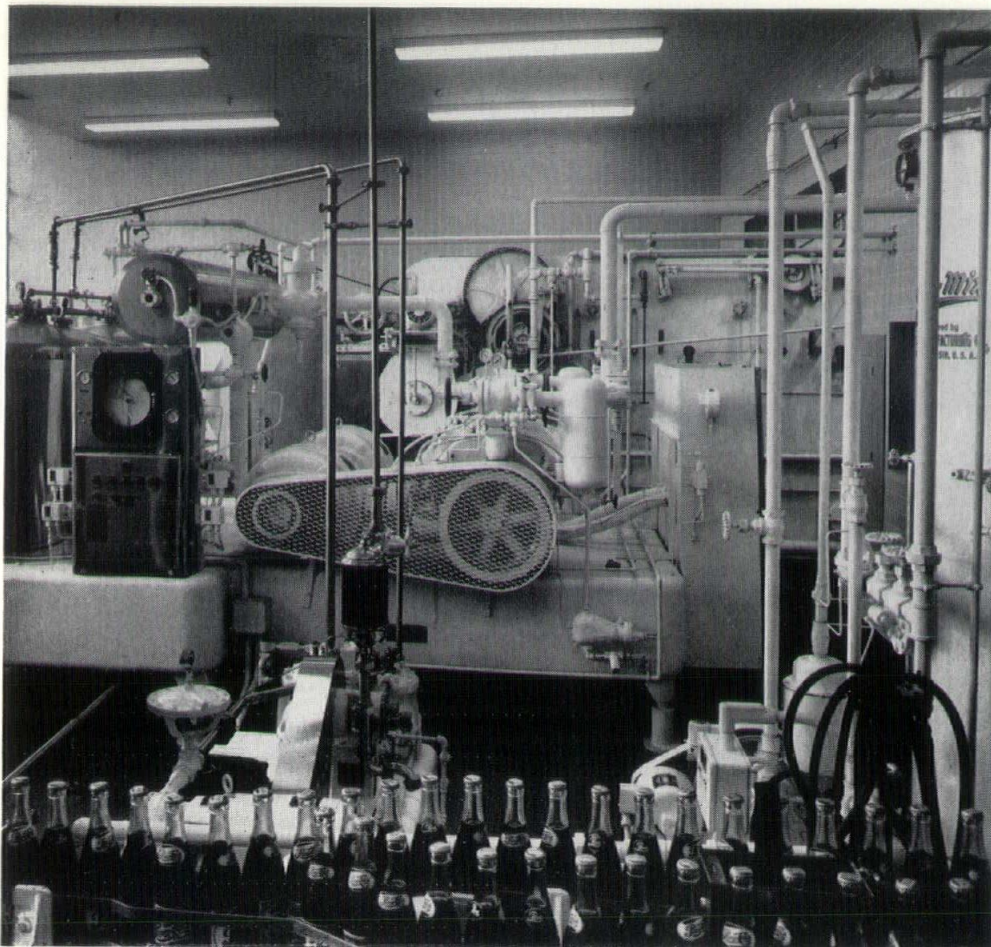
ROSENFELD CONCRETE COMPANY has the finest and most modern Electronic Computing and Weighing Equipment available, for your most exacting daily requirements and specifications.

ROSENFELD CONCRETE COMPANY is easily recognized as one of the largest manufacturers of Ready-Mixed Concrete, utilizing the latest and largest fleet of truck mixers and manned by competent, safety-minded operators.

ROSENFELD
CONCRETE COMPANY
HOME OFFICE: MILFORD • MASSACHUSETTS



DIRECT PHONES CONNECTING ALL PLANTS
MILFORD • **GREENLEAF 3-7200**



B. SNYDER & CO. INCORPORATED

120 BRAINTREE ST.
ALLSTON
MASSACHUSETTS
ALGONQUIN 4-7600

*Plumbing
Heating &
Process
Piping
Contractor*

COMPLETE PROCESS • PIPING
INSTALLATION • PEPSI COLA
BOTTLING COMPANY • BOSTON

STEEL SERVICE

- STRUCTURAL STEEL
- REINFORCING STEEL
- STEEL ROOF TRUSSES
- COMPLETE WAREHOUSE SERVICE
- MISCELLANECUS IRON WORK
- ENGINEERING & DESIGN SERVICE



**SUPPLYING
BUILDERS
WITH A
COMPLETE
STEEL
SERVICE
SINCE
1863**

BANCROFT & MARTIN
ROLLING I MILLS COMPANY

7 MAIN ST., SO. PORTLAND, ME.
PARKWAY SOUTH, BREWER, ME.

Dial SPruce 3-5671
Dial BAngor 2-4866

Commonwealth ROOFING

**EXPERT CRAFTSMANSHIP
COMBINED WITH INTEGRITY**

Specializing: tar • gravel
• slate • asphalt • shingled
roofs for commercial
and industrial use

REgent 4-0900

... architectural
SHEET METAL WORKS

COMMONWEALTH ROOFING CO.

43-49 PEARL ST. • BROOKLINE, MASS.



BURBANK HOSPITAL
Fitchburg, Massachusetts
2 Automatic Duplex Passenger Elevators
4000# at 250 f.p.m.
Automatic Selective Collective Service
Elevator, 4000# at 250 f.p.m.
2 Automatic Electric Dumbwaiters
250# at 100 f.p.m.

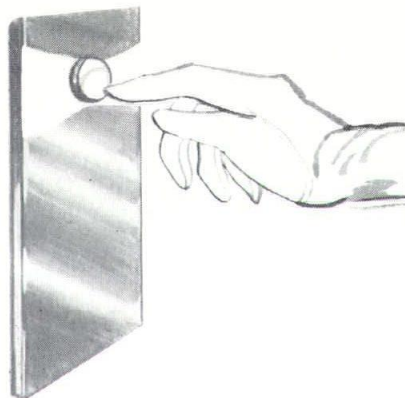
ANOTHER

PAYNE

AUTOMATIC

ELEVATOR

INSTALLATION



**New
England's
Elevator Manufacturer**

Passenger Freight
Residence Elevators
Dumbwaiters
Stairlifts

Modernization
Maintenance — Repairs
24-HOUR SERVICE

F. S. PAYNE CO.

Cambridge 40, Mass.
Phone: TRowbridge 6-3840

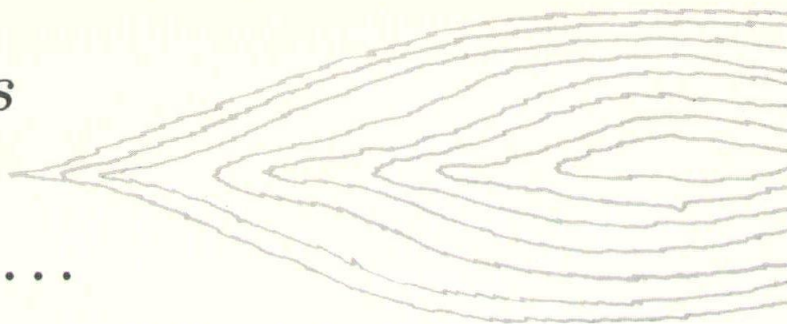
Lowell • New Haven • Providence
Manchester, N. H. • Portland
Boston

NEA & B

ADVERTISERS INDEX

ABBOTT EQUIPMENT COMPANY	5
BANCROFT & MARTIN ROLLING MILLS COMPANY	47
KENNETH H. BULLARD COMPANY	29
H. A. CARTER ASSOCIATES	38
COMMONWEALTH ROOFING COMPANY	47
FRANCIS H. CURTIN INSURANCE AGENCY, INC.	35
DE MAMBRO SOUND EQUIPMENT COMPANY, INC.	4th COVER
DONOVAN MANUFACTURING COMPANY	43
DRAGON CEMENT COMPANY	40
DURASTONE FLEXICORE CORPORATION	29
ECKEL CORPORATION	33
FORT HILL PLASTICS COMPANY	33
FOSTER BROS. BLOCK COMPANY	32
GILFOY DISTRIBUTORS	43
GROSSMAN LUMBER COMPANY	1
JULIAN CONSTRUCTION COMPANY	40
LEE EQUIPMENT COMPANY	30
LILLY CONSTRUCTION COMPANY	2nd COVER
DANIEL MARR & SON COMPANY	38
MASSACHUSETTS CEMENT BLOCK COMPANY	34
MERIT PAPER & CHEMICAL COMPANY	28
NATIONAL FLOORING COMPANY	29
NEW ENGLAND CONCRETE PIPE COMPANY	39
NEW ENGLAND INSULATION COMPANY	41
NORBROOK PUBLISHING COMPANY, INC.	6
OSTROW ELECTRIC COMPANY	45
PARKS COMPANY	31
F. S. PAYNE COMPANY	48
PERMALITE DIVISION OF BOSTON SAND & GRAVEL COMPANY	3
PITCHER & COMPANY	36
PLYMOUTH QUARRIES COMPANY	45
RAPIDS FURNITURE COMPANY	7
RHODE ISLAND COVERING COMPANY	44
ROSENFELD CONCRETE COMPANY	46
SALEM GLASS COMPANY	27
B. SNYDER & COMPANY	47
WALDO BROS. COMPANY	37
A. A. WILL SAND & GRAVEL CORPORATION	26
WOOD FABRICATORS COMPANY	3rd COVER

*Establishing
New Frontiers
in
Wood Engineering ...*



WOOD FABRICATORS, INC.

**MANUFACTURERS OF: WOOD TRUSSES • "WOODBARS" • WOOD BEAMS
LAMINATED PANELS • COMPONENT WALL SYSTEMS**

and **TROFDEK®**

the amazing new ultra-light structural system that supports 100
times its own weight . . . has unlimited advantages for roof, floor,
wall and ceiling applications . . . saves time, material, money!

Recent projects utilizing WOOD FABRICATORS engineered structures.

PEASE AIR FORCE BASE, PORTSMOUTH,
NEW HAMPSHIRE

Architect: Koehler & Isaak

Contractor: Davidson Construction Co.

PHILIPS ACADEMY DORMITORIES, ANDOVER,
MASSACHUSETTS

Architect: Architects Collaborative

Contractor: Morton C. Tuttle Co.

HANSCOM AIR FORCE BASE, BEDFORD, MASS.

Architect: Lord & Desmond

Contractor: Green Manor Construction Co.

METHODIST CHURCH, READING, MASS.

Architect: Arthur Dirlam

Contractor: Lord & Miller

HOUSING FOR THE ELDERLY, METHUEN, MASS.

Architect: Associated Architects & Engineers

Contractor: Clemenzi Construction Co.

ST. JOSEPH'S CONVENT, WAKEFIELD, MASS.

Architect: Valtz & Kimberly

Contractor: L. Pasqualucci & Son

OTIS AIR FORCE BASE, FALMOUTH, MASS.

Architect: Maguire Associates

Contractor: Jefferson Construction Co.

WESTOVER AIR FORCE BASE, CHICOPEE
FALLS, MASS.

Architect: Samuel Glazer Associates

Contractor: The Ferber Co. & A. Kaplen & Sons

LOCKBOURNE AIR FORCE BASE, COLUMBUS,
OHIO

Architect: Insko Brand

Contractor: The Ferber Co. & A. Kaplen & Sons

BATTLE GREEN INN, LEXINGTON, MASS.

Builders: The Northern Realty Trust

GARDEN CREST APARTMENTS, WALTHAM, MASS.

Architect: C. H. Cole

Builders: DeVincent Brothers

VILLAGE SHOPPER, WAYLAND, MASS.

Architect: Tekton Associates

Builders: Edward Veno

NAVAL AIR STATION HOUSING, BRUNSWICK,
MAINE

Architect: Wordsworth & Boston

Contractor: Anthony Grace & Son

HOUSING FOR THE ELDERLY, LAWRENCE,
MASS.

Architect: Thomas J. Pearson & Assoc.

Contractor: Messina Brothers

FOXBORO LANES BOWLING ALLEY,
FOXBORO, MASS.

Builder: H. E. Cline Construction Co.

A. & P. STORES, QUINCY AND WALPOLE, MASS.

Architect: A. & P.

Contractor: Clark & Smith

A. & P. STORE, BEVERLY, MASS.

Builder: Koufman Construction Co.

A. & P. STORE, MANCHESTER, NEW HAMPSHIRE

Builder: John Philopoulos

GEORGIA PACIFIC BUILDING, NEEDHAM, MASS.

Architect: Symmes, Maini & Hryniewicz

Contractor: Vappi & Co., Inc.

FRIENDSHIP HOUSE, SCRANTON, PENNSYLVANIA

Architect: Compton & Pierce

Contractor: Breig Brothers

CAPEHART HOUSING, FORT LEAVENWORTH,
KANSAS

Architect: Neville, Sharp & Simon

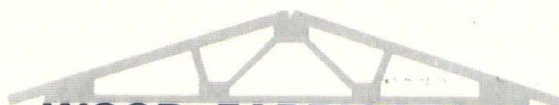
Contractor: Beacon Construction Co.

WOOD FABRICATORS, INC.

solving your

construction problems with

quality engineered components



WOOD FABRICATORS, inc.

400 PORTLAND ST. CAMBRIDGE, MASS.

ELiot 4-6000

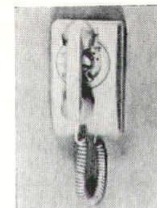
*Wood Fabricators, Inc. is a member of Plywood Fabricators Service, Inc.
and conforms to its high standards of quality.*

banish common telephone annoyances

with **DIAL-X[®]**

INTER-COMMUNICATING SYSTEMS
A PRODUCT OF STROMBERG-CARLSON, A Division of General Dynamics

DIAL-X means increased efficiency throughout an entire plant. Immediate contact between personnel, speedy transmission of information between departments, quick access to executive advice . . . these factors produce smoother, more economic production flow; improved customer service. With Dial-X they can be achieved through direct dial, without the services of a switchboard operator, without delaying important incoming or outgoing calls, without costly running around and hunting for personnel.



DISTRIBUTED BY

DeMambro

SOUND EQUIPMENT COMPANY
1095 COMMONWEALTH AVE., BOSTON, MASS.

TELEPHONE ALgonquin 4-7870

BRANCH OFFICES IN: MASSACHUSETTS: Worcester, Brockton, Lawrence, Hyannis
NEW HAMPSHIRE: Manchester, Keene
RHODE ISLAND: Providence

SPECIALISTS FOR SCHOOLS, HOSPITALS, INDUSTRIAL AND COMMERCIAL BUILDINGS